

April 3, 2003

File 348:EUROPEAN PATENTS 1978-2003/Mar W04

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File 349:PCT FULLTEXT 1979-2002/UB=20030327,UT=20030320

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	1450	(SPEAKER? OR AMPLIF? OR LOUDSPEAKER? OR LOUD()SPEAKER? OR - MICROPHON? OR COMMUNICATOR? OR INTERCOM?) (3N)BOX? OR SPEAKERB- OX? OR SPEAKER()PHONE? OR SPEAKERPHONE?
S2	565433	PORTABLE OR HANDHELD OR HAND()HELD OR MOVABL? OR MOBIL? OR TRANSPORT? OR TRAVELING OR POCKET?
S3	14716	STAND()ALONE?
S4	605681	TELEPHON? OR TELECOM? OR COMMUNICAT? OR ANALOG? OR FONE? ? OR PHONE? ?
S5	1160574	DETACH? OR DISCONNECT? OR UNCOUPL? OR DISENGAG? OR DISUNIT? OR SEPERAT? OR SPLIT()UP OR REMOVABL? OR CONNECT? OR LINK? OR JOIN? OR HOOK?()UP OR PLUGIN OR PLUG?()IN OR ADJOIN? OR COUP- L? OR ADAPTER?
S6	3	S1(5N)S3
S7	15	S1(S)S3(S)S4
S8	13	S7 NOT S6
S9	74	S1(3N)S2
S10	66	S9(S)S4
S11	56	S9(5N)S4
S12	31	S11(S)S5
S13	29	S12 NOT (S8 OR S6)
S14	164	S1(3N)S5
S15	109	S14(S)S4
S16	78	S14(10N)S4
S17	64	S14(5N)S4
S18	18	S17/TI,AB,CM
S19	17	S18 NOT (S13 OR S8 OR S6)
S20	1	S13 AND IC=(H04M-011/00 OR H04N-007/14)
S21	2	S13/TI,AB,CM
S22	2	S21 NOT S20
S23	5	S17 AND IC=(H04M-011/00 OR H04N-007/14)
S24	3	S23 NOT (S6 OR S8 OR S19 OR S20 OR S21)
S25	3	S11(10N)S5
S26	15	S11(15N)S5
S27	14	S26 NOT (S24 OR S6 OR S8 OR S19 OR S20 OR S21)

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8/5,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00830105

System and method for testing communications devices  
System und Verfahren zur Prufung von Kommunikationsgeraten  
Systeme et procede pour tester des dispositifs de communication  
PATENT ASSIGNEE:

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INVENTOR:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 769888 A2 970423 (Basic)

APPLICATION (CC, No, Date): EP 96307481 961015;

PRIORITY (CC, No, Date): US 544243 951017

DESIGNATED STATES: DE; FR; GB; NL; SE

INTERNATIONAL PATENT CLASS: H04R-029/00

ABSTRACT EP 769888 A2

A system and method for testing communication devices, such as speakerphones, are disclosed. In one embodiment, a two-way conversation is pre-recorded for playback through one or more test communications devices (130, 140) to evaluate communications device performance. The test set-up permits the recording of a two-way full-duplex communication onto two or more channels of the same recording/playback device, (90), thereby preserving the content and timing relationships between speech segments. A comparison can be made between the live conversation and the conversatoin as it was realized in the playback condition over a test communications device. The original and the test will be different based on the performance of the communications device. This method decreases the test time and provides other efficienciess useful in connection with testing, evaluation and quality control for communications device acoustic and network performance testing.

ABSTRACT WORD COUNT: 138

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 970423 A2 Published application (Alwith Search Report  
;A2without Search Report)

Withdrawal: 971022 A2 Date on which the European patent application  
was withdrawn: 970828

Change: 980422 A2 International patent classification (change)

Change: 980916 A2 International patent classification (change)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	450
SPEC A	(English)	EPAB97	3845
Total word count - document A			4295
Total word count - document B			0
Total word count - documents A + B			4295

...SPECIFICATION be used in connection with a stand-alone testing center for the commercial testing of **speakerphones**, **telephones** or other **communications** devices; as a part of the design and development of new models of **communications** devices (either iterative testing or

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comparative testing); as a part of the quality control phase of **communications** device manufacturing; for marketing demonstrations; and/or for quality control in conjunction with the repair of **communications** devices.

The embodiments of the present invention may also be used to test various aspects...

8/5,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00832430

**VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE**  
**SYSTEME DE MIROIR VIDEO INTEGRANT UN MODULE ACCESSOIRE**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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BINGLE Robert L, 3102 Crestbrooke Drive, Holland, MI 49424, US,  
LYNAM Niall R, 248 Foxdown, Holland, MI 49424, US,

Legal Representative:

COLLINS Catherine S (et al) (agent), Van Dyke, Gardner, Linn & Burkhart,  
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Rapids, MI 49588-8695, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200164481 A2-A3 20010907 (WO 0164481)  
Application: WO 2001US6067 20010226 (PCT/WO US0106067)  
Priority Application: US 2000186520 20000302; US 2000218336 20000714; US  
2000234412 20000721; US 2000237077 20000930; US 2000238483 20001006; US  
2000243986 20001027; US 2001263680 20010123

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B60R-001/12

International Patent Class: B60R-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 92782

English Abstract

A vehicular video mirror system includes an interior rearview mirror assembly and a video display assembly. The interior rearview mirror assembly includes a mirror casing incorporating a reflective element. The mirror assembly further includes a mirror-mounting portion. The mirror casing is adjustable about the mirror-mounting portion for adjusting the rearward field of view of the reflective element. The video display assembly includes a video screen which is incorporated in a video display housing. The display housing is adapted to be adjustable about the display-mounting portion for adjusting the orientation of the video screen and, further, for moving the display housing to a stowed position whereby the video screen is generally not viewable by a driver when seated in a vehicle seat in the vehicle to thereby minimize the distraction to the driver of the vehicle.

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#### French Abstract

La presente invention concerne un systeme de miroir video comportant un ensemble retroviseur interieur et un ensemble afficheur video. L'ensemble retroviseur interieur comprend un carénage de miroir pourvu d'un element reflechissant. L'ensemble miroir est pourvu en outre d'une potence de montage de miroir. Le carénage de miroir est réglable autour de la potence de montage de miroir de facon a regler le champ d'observation du retroviseur. L'ensemble afficheur video comporte un ecran video integre a un carter d'afficheur video. Ce carter d'afficheur video est concu pour se regler autour de la potence de montage d'afficheur de facon a regler l'orientation de l'ecran video, et d'autre part pour deplacer le carter d'afficheur en une position de blocage selon laquelle l'ecran video n'est generalement pas observable du chauffeur lorsqu'il est assis dans un siege du vehicule de facon a minimiser la distraction du chauffeur du vehicule.

#### Legal Status (Type, Date, Text)

Publication 20010907 A2 Without international search report and to be republished upon receipt of that report.  
Examination 20020110 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20020523 Late publication of international search report  
Republication 20020523 A3 With international search report.

#### Fulltext Availability:

Detailed Description

#### Detailed Description

... that is articulatable

Ty

left to right and up and down. Also, when a cellular **phone** and/or a telernatic device and/or a PDA and/or personal computing device is...

...above) and associated sound amplification circuitry so that accessory module assembly 6812 functions as a **stand - alone** in-vehicle sound system, thus providing, for example, a **speaker - phone** function. Also, a passenger side inflatable restraint indicator display that indicates the state of activation...

8/5,K/3 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00831181 \*\*Image available\*\*

#### TIRE INFLATION ASSISTANCE MONITORING SYSTEM

#### SYSTEME D'ASSISTANCE ET DE SURVEILLANCE POUR LE GONFLAGE DES PNEUMATIQUES

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Inventor(s):

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LYNAM Niall R, 248 Foxdown, Holland, MI 49424, US,

Legal Representative:

COLLINS Catherine S (et al) (agent), Van Dyke, Gardner, Linn & Burkhardt, LLP, 2851 Charlevoix Dr., SE, Suite 207, P.O. Box 888695, Grand Rapids, MI 49588-8695, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200164462 A1 20010907 (WO 0164462)

Application: WO 2001US6122 20010226 (PCT/WO US0106122)

Priority Application: US 2000513941 20000228; US 2000710016 20001110

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

April 3, 2003

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B60C-023/04

International Patent Class: B60C-023/00; B60R-001/12

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 30185

#### English Abstract

A vehicular tire inflation monitoring system is provided for a vehicle that includes at least one tire inflation indicator assembly (16), visible exterior of the vehicle, positioned at an exterior vehicle portion, such as at an exterior rearview mirror assembly (14). The at least one tire inflation indicator assembly provides an indication of the inflation condition of at least one of the vehicle tires. The tire inflation monitoring system includes a control receiving at least one input from at least one tire pressure sensor sensing pressure of at least one vehicle tire. The control produces an output to illuminate the at least one tire inflation indicator assembly.

#### French Abstract

L'invention concerne un systeme de surveillance du gonflage des pneus d'un vehicule. Ce systeme comprend au moins un ensemble indicateur de gonflement des pneus (16), visible a l'exterieur du vehicule, place dans une section exterieure du vehicule telle que dans un bloc retroviseur exterieur (14). Cet/ces ensemble(s) indicateur du gonflement des pneus fournissent une indication concernant l'etat de gonflement d'au moins un des pneus du vehicule. Ce systeme de surveillance du gonflage comprend une commande qui recoit au moins une entree en provenance d'au moins un capteur de pression du pneu qui detecte la pression d'au moins un pneu du vehicule. Cette commande produit une sortie qui active une indication lumineuse dans l'ensemble indicateur du gonflement des pneus.

Legal Status (Type, Date, Text)

Publication 20010907 A1 With international search report.

Publication 20010907 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20011220 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... 6859 that is articulatable left to right and up and down.

Also, when a cellular **phone** and/or a telematic device and/or a PDA and/or personal computing device is...

...above) and associated sound amplification circuitry so that accessory module assembly 6812 functions as a **stand - alone** in-vehicle sound system, thus providing, for example, a **speaker - phone** function. Also, a passenger side inflatable restraint indicator display that indicates the state of activation...

8/5,K/4 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A  
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF  
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE  
DANS UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RESEAUTÉE, ET  
PROCÉDÉ ASSOCIÉ

Patent Applicant/Assignee:

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Legal Representative:

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2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)

Application: WO 2000US32310 20001122 (PCT/WO US0032310)

Priority Application: US 99444653 19991122; US 99447623 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 156214

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be  
republished upon receipt of that report.

Examination 20010927 Request for preliminary examination prior to end of  
19th month from priority date

Declaration 20020613 Late publication under Article 17.2a

Republication 20020613 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... boxes that each have either a "SP" or a "M" displayed inside them. The  
"SP" boxes indicate that a particular benefit for that particular  
component may be attributed to a service...

8/5,K/5 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00801726 \*\*Image available\*\*

April 3, 2003

**APPARATUS AND METHOD FOR INTELLIGENT SCALABLE SWITCHING NETWORK**  
**APPAREIL ET PROCEDURE POUR RESEAU INTELLIGENT COMMUTE EVOLUTIF**

Patent Applicant/Assignee:

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US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

GIDWANI Sanjay M, 18925 Mellon Drive, Saratoga, CA 95070, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

MALLIE Michael J (et al) (agent), Blakely, Sokoloff, Taylor & Zafman LLP,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200135240 A1 20010517 (WO 0135240)

Application: WO 2000US30582 20001106 (PCT/WO US0030582)

Priority Application: US 99437557 19991110

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 45431

**English Abstract**

An Intelligent scalable switching network. The present invention provides a unified internet portal server (UIP Server) having multi-line capability, and a unified internet portal client (UIP Client) incorporating functionality of a Customer Premise Equipment (CPE) DSL Modem (346), wherein the UIP Client (224) is capable of communicating with the UIP Server (226) via a network to provide a service to a subscriber using the UIP Client (224). The UIP server (226) comprises a single server chassis incorporating all of a plurality of processing elements. The UIP Server (226) is located remote from a subscriber location (SL) and capable of providing a plurality of services using a digital subscriber line (DSL). The UIP client (224) is located at the SL and is capable of deploying DSL capability on a single communication line.

**French Abstract**

L'invention concerne un reseau intelligent commute evolutif. La presente invention concerne un serveur d'accès Internet unifié à capacité multiligne et un accès Internet unifié client à fonctionnalité de modem DSL (ligne d'abonné numérique) d'équipement privé d'abonné (EPA) (346). L'accès Internet unifié client (224) est capable de communiquer avec le serveur d'accès Internet unifié (226) via un reseau de façon à fournir un service à un abonné utilisant l'accès Internet unifié client (224). Selon l'invention, le serveur d'accès Internet unifié (226) comprend un simple boîtier de serveur à plusieurs éléments de traitement. De plus, le serveur d'accès Internet unifié (226), situé à distance d'un emplacement d'abonné, est capable d'offrir une pluralité de services via une ligne d'abonné numérique. L'accès Internet unifié client (224), situé à l'emplacement d'abonné, est capable de déployer une capacité de ligne d'abonné numérique sur une seule ligne de communication.

Legal Status (Type, Date, Text)

Publication 20010517 A1 With international search report.

April 3, 2003

Publication 20010517 A1 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.  
Examination 20011025 Request for preliminary examination prior to end of  
19th month from priority date

Fulltext Availability:  
Detailed Description

Detailed Description

... substituted by a dedicated video conferencing station.

Subscriber S2 752 in Figure 13 utilizes a **stand - alone** UIP client  
set-top box without compression 780. The UIP client set-top box without  
...

...the subscriber line. The subscriber S2 752 utilizes the standard  
television set 1 00 to **communicate** by use of the UIP client set-top box  
780. In one embodiment of the...

...has provisions for providing a camera input 762, a wireless microphone  
764, a set-top **box speaker** 766, a television speaker via the  
television set 1 00. In Figure 1 3, subscriber...

8/5,K/6 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00771604 \*\*Image available\*\*

**PERSONAL DATA TRANSFER SYSTEM**

**SYSTEME DE TRANSFERT DE DONNEES PERSONNELLES**

Patent Applicant/Inventor:

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NL (Nationality)

Legal Representative:

STAINBROOK Craig M, Johnson & Stainbrook, LLP, Suite 130, 175 N. Redwood  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200105136 A1 20010118 (WO 0105136)

Application: WO 2000US19292 20000714 (PCT/WO US0019292)

Priority Application: US 99143812 19990714

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-011/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3025

English Abstract

A personal data transfer system comprising a controller (40), a  
data/voice switch (14) with a voice mute circuit (17) connected to a  
telephone by a first line and to a phone jack by a second line, a data  
input/output interface, a non-volatile memory and a read-only memory  
connected to said controller, a character generator connected to said  
controller (40), a visual display connected to said controller (40),



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transmission data select input/output interface, transmission data select buttons connected to said data input/output interface, receive data select buttons connected to said data input/output interface, and a program button connected to said data input/output interface, all of which are under the control of said controller (40). The device (10) is capable of programmable entry, storage, and retrieval of data, and of selective bidirectional transmission of said data over phone lines or airways during a voice communication connection.

French Abstract

L'invention concerne un systeme de transfert de donnees personnelles comprenant un controleur (40), un commutateur (14) donnees/voix pourvu d'un circuit silencieux vocal (17) connecte a un telephone par une premiere ligne et a une prise telephonique par une seconde ligne, une interface d'entree/de sortie de donnees, une memoire non volatile et une memoire morte connectees audit controleur, un generateur de caracteres et un affichage visuel connectes egalement au controleur (40), une interface d'entree/sortie de selection de donnees de transmission, des boutons de selection de donnees de transmission connectes a ladite interface, des boutons de selection de donnees de reception et un bouton de programme connectes a ladite interface, tous ces elements etant sous controle dudit controleur (40). Ledit dispositif (10) est capable d'entree programmable, de stockage et d'extraction de donnees et de transmission bidirectionnelle selective desdites donnees par lignes telefoniques ou par voies aeriennes pendant une connexion de communication vocale.

Legal Status (Type, Date, Text)

Publication 20010118 A1 With international search report.

Examination 20010719 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... 1 5 time" to a PC or MAC.

The inventive system can either be a **stand alone** unit or may be combined and is compatible with Caller ID and can be incorporated into a **telephone , speaker phone ,** answering machine, portable **phone ,** cellular **phone ,** or a virtual device in a personal digital assistant (PDA, such as a PALM PILOT) or PC. **Telephone** numbers received through the ...Personal Data Transmission can, in their turn, be used to dial out to another (wireless) **telephone .**

In use, when the sending party wishes to transmit a packet of data, the data...

8/5,K/7 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00764238 \*\*Image available\*\*

INTERNET RADIO RECEIVER AND INTERFACE

RECEPTEUR ET INTERFACE POUR RADIO INTERNET

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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MCDOWALL Ian E, 241 Polaris Avenue, Mountain View, CA 94043, US

Legal Representative:

CROCKETT David K, Crockett & Crockett, Suite 400, 24012 Calle De La Plata, Laguna Hills, CA 92653, US

April 3, 2003

Patent and Priority Information (Country, Number, Date):

Patent: WO 200077655 A1 20001221 (WO 0077655)  
Application: WO 2000US16399 20000615 (PCT/WO US0016399)  
Priority Application: US 99334846 19990616

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/167

International Patent Class: G06F-015/16

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6029

English Abstract

A device (1) for receiving streaming audio or other audio sources (26) netcast in analogous fashion to a radio broadcast, said device providing an interface analogous to a radio receiver, eliminating the necessity of an intervening personal computer system.

French Abstract

L'invention concerne un dispositif (1) permettant de recevoir un contenu audio ou d'autres sources (26) audio diffuse sur le reseau de facon semblable a ce qu'il se fait pour la radiodiffusion. Ledit dispositif constitue une interface analogue a un recepteur radio, ce qui permet de se dispenser d'un micro-ordinateur personnel.

Legal Status (Type, Date, Text)

Publication 20001221 A1 With international search report.

Examination 20010426 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... also be added to the control panel.

Figure 2 is a block diagram of the **stand - alone** embodiment of the internet radio. The radio box 1 includes the control panel 2 with...

...as volume control

7, band selector 8, tuning selector 9, and display 10. The radio **box** also includes the **speaker** 3 (which instead might be replaced by speaker jacks or a line level output to a separate high fidelity **amplifier** ). The radio **box** is connected to household current through power cord 4, and connected to household **telephone** wiring through **telephone** cord 6. An

6 alpha-numeric input device 20 comprises a touchpad, pushbutton array or the like to input basic user-related system information during the configuration process (a **telephone** pad input system, common to cellular **telephones** , may be used).

This input device can also serve as a set of pushbutton preset...

April 3, 2003

8/5,K/8 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00757928 \*\*Image available\*\*

DISTRIBUTED LOCAL AND WIDE AREA NETWORK INDEPENDENT OF CONNECTION MEDIA  
SUPPORTED IN NETWORKED DEVICES, AND MANAGED BY THE NETWORKED DEVICES  
RESEAU LOCAL ET LONGUE DISTANCE REPARTI INDEPENDANT DE SUPPORTS DE  
CONNEXION SUPPORTES ET GERES PAR DES DISPOSITIFS INTERCONNECTES

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

DOD Ian, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

DEGUELLE Wilhelmus H G (agent), Internationaal Octrooibureau B.V., Prof.  
Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200070824 A2-A3 20001123 (WO 0070824)

Application: WO 2000EP3791 20000425 (PCT/WO EP0003791)

Priority Application: US 99133901 19990513; US 2000515876 20000229

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: H04L-012/28

International Patent Class: H04L-012/56; H04L-029/08

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14255

English Abstract

A dynamically configurable network has data stations (3-11) and wireless protocol stations (2). A wireless protocol station and at least one data station form a local area network. Separate local area networks are connected to each other through wireless protocol stations. The wireless protocol stations and the data stations have a physical layer protocol (80-87) that sits in a physical layer, whereby the wireless protocol station has all physical layer protocols of data stations to which it currently connected to, so as to dynamically support various media. The wireless protocol stations and the data stations further have service application layer protocols that sit in service layers (110-117), and a service access point protocol in between the service layer and the physical layer. A service application layer of a data station provides a data service. Data between data stations or between a data station and a wireless protocol station are physically exchanged via a communication link using the physical layer protocol. The data service is accessed through the service access point protocol.

French Abstract

L'invention porte sur un reseau configurable dynamiquement qui possede des stations de donnees et des stations de protocole radio. Une station de protocole radio et au moins une station de donnees forment un reseau local. Les reseaux locaux separees sont raccordes les uns aux autres par des stations de protocole radio. Les stations de protocole radio et les stations de donnees ont un protocole qui est installe dans une couche physique, la station de protocole radio possedant tous les protocoles de couche physique des stations de donnees auxquels elle est generalement connectee de facon a supporter dynamiquement divers supports. Les stations de protocole radio et les stations de donnees ont egalement des protocoles de couche d'application de service qui sont installes dans les couches de service, et un protocole de point d'accès au service est installe entre la couche de service et la couche physique. Une couche

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d'application de service d'une station de donnees forme un service de donnees. Les donnees entre les stations de donnees ou entre une station de donnees et une station de protocole radio sont echangees physiquement par une ligne de communication au moyen du protocole de couche physique. Le service de donnees est accessible par le protocole de point d'accès au service.

Legal Status (Type, Date, Text)

Publication 20001123 A2 Without international search report and to be republished upon receipt of that report.  
Search Rpt 20010712 Late publication of international search report  
Republication 20010712 A3 With international search report.

Fulltext Availability:  
Detailed Description

Detailed Description

... base station service of a cellular network (not shown in detail here). and in a **stand - alone** capacity may only offer the user voice-only functionality via a simple numeric keypad. Such a **stand - alone** capability is well known in the art of cellular **telephony**. Data services can be, and typically are transparent to the user in the MADI protocol...

...of user interface. For example, if a data station device is used to perform a **speakerphone** voice **communication** the powerful PS transmitter can remain away from the I O user's ear, in...

8/5,K/9 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00554681 \*\*Image available\*\*

**METHODS AND APPARATUS FOR MULTIMEDIA NETWORKING SYSTEMS**  
**PROCEDES ET DISPOSITIFS POUR SYSTEMES DE RESEAUTAGE MULTIMEDIA**

Patent Applicant/Assignee:

DANIELS John J,

Inventor(s):

DANIELS John J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200018054 A2 20000330 (WO 0018054)

Application: WO 99US21900 19990921 (PCT/WO US9921900)

Priority Application: US 98101416 19980922; US 98107588 19981109; US 98113142 19981218; US 99126226 19990325; US 99132066 19990430

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ

MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ

CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04N-005/76

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 60214

English Abstract

A multimedia network for enabling the viewing of computer-generated data (12) on any television, video and/or audio display (TV) connected to a multimedia network, such as a hard wired coaxial television cable network. The multimedia network enables the remote control (18) of a computer via control signals carried over the multimedia network, as well as the remote control of a video device via control signals generated by

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a computer and carried over the multimedia network, thus enabling the viewing of computer-generated data (12) on any television, video and/or audio display connected to a multimedia network. A method for indicating the content recorded on a video recording medium. An HTML-type document is created by a computer or microprocessor and recorded on the recording medium. An inventive wireless display terminal receives a video signal originating from a computer, multimedia or other audio and/or video signal generating device and transmitted via RF signals from an antenna node.

#### French Abstract

L'invention concerne un reseau multimedia qui permet de visualiser des donnees informatiques sur un ecran de television, video et/ou sur un systeme d'affichage audio relie a un reseau multimedia, du type reseau de television par cable coaxial. Le reseau multimedia permet d'assurer la commande a distance d'un ordinateur via des signaux de commande achemines sur le reseau multimedia, et la commande a distance d'un dispositif video via des signaux de commande informatiques achemines sur le reseau multimedia, ce qui permet de visualiser les donnees informatiques sur un ecran de television, video et/ou sur un systeme d'affichage audio relie a un reseau multimedia. L'invention concerne en outre un procede permettant d'indiquer le contenu enregistre sur un support d'enregistrement video. Un document de type HTML est cree par ordinateur ou microprocesseur et enregistre sur le support d'enregistrement. Ce document contient des informations relatives au contenu enregistre sur le support d'enregistrement. Un terminal d'affichage sans fil recoit un signal video emanant d'un ordinateur, d'un dispositif multimedia ou autre dispositif generateur de signaux audio et/ou video, et transmis via des signaux RF depuis un noeud d'antenne. On peut ainsi etablir en tout point au bureau ou a domicile une zone de signaux hertziens controlable, de haute securite, a faible niveau d'emission, claire et coherente. Des dispositifs de noeud d'antenne permettent d'assurer les liaisons avec des reseaux existants et constituent une passerelle entre les dispositifs sans fil et le reseau cable. L'utilisation de reseaux en cable existants permet d'assurer un trajet de transmission efficace pour les besoins de la connectivite entre les dispositifs de noeud d'antenne et les dispositifs relies au reseau coaxial. L'utilisation des elements du reseau hertzien permet d'assurer la mobilite et d'eviter les difficultes liees a l'installation de nouveaux cables.

#### Fulltext Availability:

Detailed Description

#### Detailed Description

... wireless rf signals for transmission.

To enable enhanced functionality, such as in-house intercom and **speaker phone** systems, voice activation and user identification, etc., a microphone input 50 is located at a...

...is selected by Selecting means, such as a relay circuit in the case of a **stand - alone** device or through software control in the case of a microprocessor 22 or computer. Adding...

...input of the microphone signals to the multimedia network. By this construction, a user can **communicate** through spoken words over the multimedia network. In the case of an in-home intercom...

8/5,K/10 (Item 9 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00520934 \*\*Image available\*\*

SUBSCRIBER SYSTEM FOR INTERACTIVE INTERFACING WITH BROADCAST INFORMATION

April 3, 2003

**SYSTEME D'ABONNE SERVANT D'INTERFACE INTERACTIVE POUR DE L'INFORMATION  
RADIODIFFUSEE**

Patent Applicant/Assignee:

ALCATEL USA SOURCING L P,

Inventor(s):

PISTERZI Michael J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9952286 A1 19991014

Application: WO 99US7629 19990407 (PCT/WO US9907629)

Priority Application: US 9856590 19980407

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE

DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW

AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC

NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04N-007/173

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 1535

**English Abstract**

A subscriber system (10) includes a dual network interface module (12). The dual network interface module (12) includes slots for a video unit (20) and a bandwidth unit (22). The video unit (20) receives broadcast information from a service provider (24) for ultimate display and viewing by a subscriber at the subscriber system (10). The bandwidth unit (22) provides an interface to a telecommunications network (30) through a telecommunications element (28). The dual network interface module (12) also includes an AC carrier modem (32) that receives and sends information to a processor device (34) over existing AC power lines within the subscriber system (10). In this manner, interactive interfacing of broadcast information received at the video unit (20) can be performed at the processor device (34) through the bandwidth unit (22) and over the telecommunications network (30) on a real time basis. The use of an existing subscriber link (26) and the AC power lines within the subscriber system (10) allows for a cost effective and efficient technique for providing interactive services to subscribers connected to an existing telephone backbone.

**French Abstract**

Un systeme d'abonne (10) comprend un module (12) d'interface de reseau double. Ce module (12) d'interface de reseau double comprend des positions d'enfichage pour une unite video (20) et pour une unite de largeur de bande (22). L'unite video (20) recoit de l'information radiodiffusee d'un fournisseur de service (24), laquelle information est finalement affichee et visualisee par un abonne sur le systeme d'abonne (10). L'unite de largeur de bande (22) fournit une interface a un reseau (30) de telecommunications au moyen d'un element (28) de telecommunications. Le module (12) d'interface de reseau double comprend egalement un modem (32) pour porteur a courant alternatif qui recoit et envoie des informations a un processeur (34) via des lignes de courant alternatif du systeme d'abonne (10). De cette maniere, l'interfacage interactif pour de l'information radiodiffusee recue sur l'unite video (20) peut etre realise en temps reel sur le processeur (34) par l'unite de largeur de bande (22) via le reseau (30) de telecommunications. L'utilisation d'une liaison (26) d'abonne existante et les lignes de courant alternatif du systeme d'abonne (10) permettent d'obtenir une technique efficace et a frais reduits pour fournir des services interactifs a des abones connectes a un reseau telephonique existant.

Fulltext Availability:

Detailed Description

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#### Detailed Description

... include its own built-in AC carrier modem or receive and transmit information through a **stand alone** modem unit. Processor device may include the capabilities of conventional in-home **telephone** units to include displaying caller identification information and **speaker phone** capability.

This ability to exchange information between dual network interface module 12 and processor device...

8/5,K/11 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00503248 \*\*Image available\*\*

**PORTABLE, STAND-ALONE VIDEO TELEPHONE SYSTEM**

**SYSTEME VISIOPHONE AUTONOME PORTATIF**

Patent Applicant/Assignee:

MAZUREK Niel,  
GANGI Joseph G,

Inventor(s):

MAZUREK Niel,  
GANGI Joseph G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9934600 A1 19990708

Application: WO 98US27618 19981223 (PCT/WO US9827618)

Priority Application: US 97998299 19971224

Designated States: BR CA CN IL IN JP KR MX AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: H04N-007/14

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4716

#### English Abstract

An independent, **stand - alone video telephone** capable of being integrated into a single, portable package includes a foldable case that contains the operative components needed for transmitting and receiving both voice and video images over a conventional **telephone** line. The respective half sections which comprise the case include a printed circuit assembly containing the **communications** and electronics suitable for operating the video **telephone**, a display, a color camera, a **speaker - phone** system and a **telephone** keypad unit which provide the necessary functions of a video **telephone**. The video **telephone** is fully compatible with present industry standards for the transmission of **telephone** signals, allowing **communications** between the video **telephone** and other video **telephone** products developed to the prevailing industry standards.

#### French Abstract

L'invention concerne un visiotelphone autonome individuel pouvant s'integrer dans un appareil monobloc portatif. Ce visiotelphone inclut un boitier pliable contenant les elements de manipulation necessaires a la fois pour transmettre et recevoir des signaux vocaux et des images video par l'intermediaire d'une ligne telephonique classique. Les moities respectives constituant le boitier comprennent un ensemble a circuits imprimes contenant le materiel de transmission et les elements electroniques necessaires pour faire fonctionner le visiotelphone, un dispositif d'affichage, une camera couleur, un systeme de fonctionnement mains libres et un cadran offrant les fonctions appropriees d'un visiotelphone. Le visiotelphone est completement compatible avec les

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normes industrielles actuelles en matiere de transmission de signal telephonique, et permet une communication entre le visiotelephone et d'autres produits de visiotelephonie mis au point selon les normes industrielles en vigueur.

Fulltext Availability:  
Detailed Description

English Abstract

An independent, **stand - alone video telephone** capable of being integrated into a single, portable package includes a foldable case that contains...

...operative components needed for transmitting and receiving both voice and video images over a conventional **telephone** line. The respective half sections which comprise the case include a printed circuit assembly containing the **communications** and electronics suitable for operating the video **telephone**, a display, a color camera, a **speaker - phone** system and a **telephone** keypad unit which provide the necessary functions of a video **telephone**. The video **telephone** is fully compatible with present industry standards for the transmission of **telephone** signals, allowing **communications** between the video **telephone** and other video **telephone** products developed to the prevailing industry standards.

Detailed Description

... will become apparent are achieved in accordance with the present invention by providing an independent, **stand - alone video telephone** which is capable of being integrated into a single, portable package. To this end, the video **telephone** of the present invention is packaged in a foldable case that contains the operative components needed for transmitting and receiving both voice and video images over a conventional **telephone** line, which will typically include a printed circuit assembly containing the **communications** and electronics suitable for operating the video **telephone**, a display (e.g., a 4 inch diagonal color TFT LCD module), a color (e.g., CCD) camera, a **speaker - phone** system and a **telephone** keypad unit.

The resulting video telephone is made fully compatible with present industry standards for...

8/5,K/12 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00281837

**VIDEOCONFERENCING SYSTEM**  
**SYSTEME DE VISIOCONFERENCE**

Patent Applicant/Assignee:

TARGET TECHNOLOGIES INC,

Inventor(s):

FLOHR Daniel P,

ROSS Stuart,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9430017 A1 19941222

Application: WO 94US3801 19940407 (PCT/WO US9403801)

Priority Application: US 9372201 19930603; US 94199377 19940218

Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ

LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA VN AT BE CH DE DK ES FR

GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: H04N-007/15

International Patent Class: H04N-07:14



April 3, 2003

Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 13415

#### English Abstract

A videoconferencing network for digital computer workstations (PC2...PCX) that operate on a local area network (LAN) to exchange data. The network includes a signalling local area network (A-LAN), connected to a first port of a plurality of workstations, for transmitting and receiving data signals between selected ones of the workstations and a broadband local area network (B-LAN) connected to a second port of the plurality of workstations, for transmitting and receiving television signals between selected ones of these workstations. Each television signal is transmitted at a selected frequency channel so that no two transmissions interfere. A software program, stored in and operable on the computer of each workstation, generates and receives data messages, transmitted via the A-LAN, to and from the computer of another workstation, respectively. These data messages initiate and control the transmission of the television signals on the B-LAN such that a plurality of television signals are transmitted simultaneously on the B-LAN, with each television signal assigned to a separate frequency channel. The software program in each computer monitors the status of the channel allocations and generates the channel selecting control signals.

#### French Abstract

Cette invention concerne un reseau de visioconference destine a des postes de calculateurs numeriques (PC2...PCX) qui fonctionnent sur un reseau local (LAN) pour echanger des donnees. Le reseau comprend un reseau local de signalisation (A-LAN), connecte a un premier point d'acces de plusieurs postes de travail, qui envoie et recoit des signaux de donnees entre des postes de travail selectionnes et un reseau local a large bande (B-LAN) connecte a un deuxieme point d'acces des divers postes de travail qui envoie et recoit des signaux televisuels entre les postes de travail selectionnes. Chaque signal televisuel est envoye sur un canal de frequence selectionne, de sorte que deux transmissions ne peuvent interferer. Un progiciel, stocke dans l'ordinateur de chaque poste de travail et utilisable par l'ordinateur, genere et recoit des messages de donnees, transmis par le reseau local (A-LAN) de signalisation qui sont destines a l'ordinateur d'un autre poste de travail ou proviennent de ce dernier. Ces messages de donnees amorcent et commandent la transmission des signaux televisuels sur le reseau local a large bande (B-LAN), de sorte que plusieurs signaux televisuels sont transmis simultanement sur le reseau local a large bande (B-LAN), chaque signal televisuel etant affecte a un canal de frequence distinct. Le progiciel de chaque ordinateur surveille l'etat des attributions de canaux et genere les signaux de commande de selection des canaux.

Fulltext Availability:  
Detailed Description

#### Detailed Description

... a conventional digital computer  
or "personal computer". It is also possible to provide a dedicated, **stand - alone** videoconferencing station, for example as illustrated in Fig. 25. This unit 250 may include a...

...with a  
built-in camera 254. If it is to be used as a conventional **telephone**, it may also include a conventional **telephone** handset (not shown). Preferably, however, the unit operates as a **speaker phone**, in the same manner as the PC  
As the user interface, the unit 250 is...

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8/5,K/13 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00157255

**RADIO ARRANGEMENT HAVING TWO RADIOS SHARING CIRCUITRY**  
**SYSTEME DE COMMUNICATION PAR RADIO AYANT UN CIRCUIT SE PARTAGEANT DEUX**  
**RADIOS**

Patent Applicant/Assignee:

MOTOROLA INC,

Inventor(s):

METROKA Michael Peter,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8903624 A1 19890420

Application: WO 88US2979 19880831 (PCT/WO US8802979)

Priority Application: US 87227 19871009

Designated States: AU DK FI JP KR NO

Main International Patent Class: H04B-007/15

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5177

English Abstract

A radio arrangement and method allows a portable (210) and a mobile (212) to uniquely communicate on a radio system having at least one remote system site (114). The portable (210) has at least one information set (such as the radio's identification information and repertory dialing information) (356 or 360), and the mobile (212) is intercoupled therewith via a connector (214). The connector is used for transferring a code, which designates the information set, from the portable (210) to the mobile (212), whereby the mobile (212) adopts the information set of the portable (210) for subsequent communication. The arrangement offers a user having a portable, with its limited features and functions, to utilize all of the capabilities of the mobile.

French Abstract

Un systeme et un procede de communication par radio permet a une radio portative (210) et a une radio mobile (212) de communiquer uniquement sur un systeme radio ayant au moins un site distant (114). La radio portative (210) possede au moins un ensemble d'informations (telles que les informations d'identification de la radio et les informations d'appel de repertoire) (356 ou 360), et la radio mobile (212) est couplee a la radio portative via un connecteur (214). Le connecteur est utilise pour transferer un code qui designe l'ensemble d'informations de la radio portative (210) a la radio mobile (212), de sorte que la radio mobile (212) adopte l'ensemble d'informations de la radio portative (210) pour des communications ulterieures. L'agencement permet a un utilisateur ayant des radios portatives avec ses caracteristiques et fonctions limitees d'utiliser toutes les possibilites de la radio mobile.

Fulltext Availability:

Detailed Description

Detailed Description

... is shown to include a number of peripherals such as a handset 216 for user **communications**, and a speaker 218 and microphone 220 which may be used for voice- **speaker phone** operations and/or for voice simulation and recognition by the radio 212. As will be...

...both radios 210 and 212 can be implemented so that they are fully capable of **communicating** on a cellular system independently, while

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the radios are intercoupled the vehicle battery 222 is...

...the portable 210 and the mobile 212 to utilize each other's circuitry and to **communicate** with each other. In the preferred embodiment, the **communication** includes signalling transfers such as: intersignalling between the radios to indicate if the intercoupling is...

...212 such as transceiver characteristics (eg., transmitter power, receiver sensitivity, antenna characteristics, and, when available', **speaker phone** functions, diversity, and speech synthesis and voice recognition capabilities), Fig\* 3 illustrates details of the...may be controlled by microcomputers (u-C) 336 and 346 as is conventionally provided in **stand alone** portables or mobiles. See, for example, Motorola Instruction Manual Nos. 6SP81070E40 and 68PS1046E60,, entitled "11DYNA TAC Cellular Mobile **Telephone** Instruction Manual" and "11DYNA TAC Cellular Portable **Telephone** Instruction Manual" respectively. Both manuals are available from Motorola C & E Parts, 1313 Algonquin Rd...

...connections (310, 312, and 314) are coupled to a conventional mobile transceiver (XCVR) 338 for **communication** with the RSSs 114 (Figs 1)s Included with the audio connections is the on...

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19/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00967505

MODULAR ASSEMBLY FOR CENTRALLY LOCATING CELLULAR TELEPHONE ACCESSORY CONNECTIONS

MODULARE ANORDNUNG FUR EINE ZENTRALE PLAZIERUNG DER ZUBEHORSANSLUSSE EINES ZELLULAREN TELEFONS

ENSEMBLE MODULAIRE CONCU POUR LA LOCALISATION CENTRALISEE DE BRANCHEMENTS D'ACCESSOIRES DE TELEPHONE CELLULAIRE

PATENT ASSIGNEE:

Ericsson Inc., (1318013), 7001 Development Drive, P.O. Box 13969,  
Research Triangle Park, N.C. 27709, (US), (Proprietor designated  
states: all)

INVENTOR:

MARENO, Jason, D., 3165-306 Hidden Pond Drive, Raleigh, NC 27613, (US)  
LILJA, Patrik, H., 4145 Lake Lynn Drive 204, Raleigh, NC 27613, (US)  
KARPUS, Thomas, J., 118 Swan Quarter Drive, Apex, NC 27502, (US)

LEGAL REPRESENTATIVE:

Vigars, Christopher Ian et al (86131), Haseltine Lake & Co., Imperial  
House, 15-19 Kingsway, London WC2B 6UD, (GB)

PATENT (CC, No, Kind, Date): EP 943183 A1 990922 (Basic)

EP 943183 B1 020320

WO 9826514 980618

APPLICATION (CC, No, Date): EP 97950715 971203; WO 97US21738 971203

PRIORITY (CC, No, Date): US 762606 961209

DESIGNATED STATES: ES; GB; IT; SE

INTERNATIONAL PATENT CLASS: H04B-001/38; H04M-001/60; B60R-011/02

CITED PATENTS (EP B): EP 370759 A; WO 94/24775 A; DE 29616889 U

CITED PATENTS (WO A): WO 9424775 A; EP 370759 A; DE 29616889 U

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 010117 A1 Title of invention (German) changed: 20001201

Examination: 20000105 A1 Date of dispatch of the first examination  
report: 19991122

Oppn None: 030312 B1 No opposition filed: 20021223

Grant: 020320 B1 Granted patent

Lapse: 020911 B1 Date of lapse of European Patent in a  
contracting state (Country, date): SE  
20020620,

Application: 981118 A1 International application (Art. 158(1))

Application: 990922 A1 Published application with search report

Examination: 990922 A1 Date of request for examination: 19990705

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200212	290
CLAIMS B	(German)	200212	269
CLAIMS B	(French)	200212	347
SPEC B	(English)	200212	949

Total word count - document A 0

Total word count - document B 1855

Total word count - documents A + B. 1855

...CLAIMS of Claim 4 wherein the adapter module (130) includes at least one  
connector (160) for connecting a speaker phone to the cellular  
telephone .

19/5,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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April 3, 2003

00822630

Loop gain processing system for speakerphone applications  
Schleifenverstärkungsverarbeitungssystem für Lautfernsprecher  
Systeme de traitement de gain de boucle telephone a haut parleur  
PATENT ASSIGNEE:

ROCKWELL INTERNATIONAL CORPORATION, (256278), 2201 Seal Beach Boulevard,  
P.O. Box 4250, Seal Beach, California 90740-8250, (US), (applicant  
designated states: DE;FR;GB)

INVENTOR:

Xu (NMI)Li, 19344 Stefani Avenue, Cerritos California 90703, (US)

LEGAL REPRESENTATIVE:

Geyer, Ulrich F., Dr. Dipl.-Phys. et al (4121), WAGNER & GEYER,  
Patentanwalte, Gewürzmühlstrasse 5, 80538 München, (DE)

PATENT (CC, No, Kind, Date): EP 765067 A2 970326 (Basic)

APPLICATION (CC, No, Date): EP 96114746 960913;

PRIORITY (CC, No, Date): US 531992 950921

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04M-009/08;

ABSTRACT EP 765067 A2

A loop gain processing scheme for a speakerphone arrangement determines system loop gain according to two echo feedback paths within the speakerphone system. Gain values for each half-loop (200 and 210) are calculated separately to ensure that both the local and far end telephone or speakerphone system are stable. A first half-loop includes gain contributions from a feedback path extending from a local speakerphone microphone (216) to a hybrid line interface (240), which **couples** the **speakerphone** to the **telephone** network line, and subsequently to a local loudspeaker (264). A second half-loop defines a feedback path from a line receive channel to a transmit channel. Gain contributions are input into a system controller (230) which determines gain values for each of the half-loops to accurately set the proper gain switching mode.

ABSTRACT WORD COUNT: 131

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee: 000712 A2 Transfer of rights to new applicant: Conexant  
Systems, Inc. (2732580) 4311 Jamboree Road  
Newport Beach, California 92660-3095 US

Application: 970326 A2 Published application (Alwith Search Report  
;A2without Search Report)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	1519
SPEC A	(English)	EPAB97	6516
Total word count - document A			8035
Total word count - document B			0
Total word count - documents A + B			8035

...ABSTRACT path extending from a local speakerphone microphone (216) to a hybrid line interface (240), which **couples** the **speakerphone** to the **telephone** network line, and subsequently to a local loudspeaker (264). A second half-loop defines a...

19/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00822629

Efficient speakerphone anti-howling system  
Lautfernsprecher mit effizientem Unterdruckungssystem der akustischen  
Rückkopplung  
Telephone a haut-parleur avec systeme efficace de suppression de reactions  
acoustiques

April 3, 2003

PATENT ASSIGNEE:

Conexant Systems, Inc., (2732580), 4311 Jamboree Road, Newport Beach,  
California 92660-3095, (US), (Applicant designated States: all)

INVENTOR:

Xu(NMI)Li, 19344 Stefani Avenue, Cerritos California 90703, (US)

LEGAL REPRESENTATIVE:

Geyer, Ulrich F., Dr. Dipl.-Phys. et al (4121), WAGNER & GEYER,  
Patentanwalte, Gewurzmuhlstrasse 5, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 765066 A2 970326 (Basic)  
EP 765066 A3 020206  
EP 765066 A3 020417

APPLICATION (CC, No, Date): EP 96114742 960913;

PRIORITY (CC, No, Date): US 531993 950921

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04M-009/08; H04B-003/23; H04M-001/20

ABSTRACT EP 765066 A2

A cost-effective anti-howling system and method enables fast detection of the presence of true double talk, and substantially eliminates undesirable howling attributable to sudden changes in the acoustic echo path between a speakerphone microphone (110) and loudspeaker (134) during speakerphone conversations. Speakerphone embodiments include a delay-compensated and normalized cross-product calculation (218) performed by a system processor having at least two memory buffers (310, 320). One buffer is associated with the loudspeaker signal and the other buffer is associated with the microphone signal. The delay-compensated cross-product of the microphone voice signal input and the loudspeaker voice signal output is determined and normalized by energy estimates of the two signals to reduce the calculation error made by variance in the signal level.

ABSTRACT WORD COUNT: 121

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee: 000712 A2 Transfer of rights to new applicant: Conexant  
Systems, Inc. (2732580) 4311 Jamboree Road  
Newport Beach, California 92660-3095 US  
Application: 970326 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Examination: 021204 A2 Date of request for examination: 20021002  
Change: 020327 A2 International Patent Classification changed:  
20020205  
Search Report: 020206 A3 Separate publication of the search report  
Change: 011205 A2 International Patent Classification changed:  
20011016  
Deleted: 020227 A2 Search report (deleted): 20020111  
Search Report: 020417 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	1262
SPEC A	(English)	EPAB97	5839
Total word count - document A			7101
Total word count - document B			0
Total word count - documents A + B			7101

...CLAIMS input by the local user.

6. A speakerphone system for canceling the effects of acoustic coupling during speakerphone communications between a local user and a remote user, wherein transmit signals are input by the...

April 3, 2003

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00697917

Telephone controller.

Telefonsteuervorrichtung.

Unite de commande d'un poste telephonique.

PATENT ASSIGNEE:

ADVANCED MICRO DEVICES INC., (328124), One AMD Place, P.O. Box 3453,  
Sunnyvale, California 94088-3453, (US), (applicant designated states:  
AT;BE;DE;DK;ES;FR;GB;GR;IE;IT;LU;NL;PT;SE)

INVENTOR:

Gulick, Dale E., 3122 Festus Drive, Austin, Texas 78748, (US)

LEGAL REPRESENTATIVE:

BROOKES & MARTIN (100141), High Holborn House 52/54 High Holborn, London,  
WC1V 6SE, (GB)

PATENT (CC, No, Kind, Date): EP 664632 A2 950726 (Basic)

EP 664632 A3 990714

APPLICATION (CC, No, Date): EP 95300280 950118;

PRIORITY (CC, No, Date): US 185697 940124

DESIGNATED STATES: AT; BE; DE; DK; ES; FR; GB; GR; IE; IT; LU; NL; PT; SE

INTERNATIONAL PATENT CLASS: H04M-001/00; H04M-001/65; H04M-001/60;

ABSTRACT EP 664632 A2

The invention provides a single chip digital answering machine, telephone, speakerphone and analog display services interface controller circuit. The invention includes a telephone controller including control means which includes a memory interface means for controlling storage in and retrieval of data from a memory; a single digital processor for converting the electrical signals representative of an audible input to digital data and for converting digital data to electrical signals representative of an audible output; telephone line interface means for coupling the digital signal processor to the telephone line and a user interface for coupling the telephone line interface to a speaker and a microphone. The controller, the digital signal processor, the telephone line interface and the user interface are all integrated within a common integrated circuit.

ABSTRACT WORD COUNT: 128

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 001108 A2 Date application deemed withdrawn: 20000115

Application: 950726 A2 Published application (Alwith Search Report  
;A2without Search Report)

Change: 960904 A2 Representative (change)

Search Report: 990714 A3 Separate publication of the European or  
International search report

Change: 990714 A2 Obligatory supplementary classification  
(change)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	EPAB95	1737
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SPEC A	(English)	EPAB95	12486
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Total word count - document A	14223
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Total word count - document B	0
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Total word count - documents A + B	14223
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...CLAIMS earpiece in said handset and a speakerphone speaker in said base unit, and wherein said **telephone** further includes a **speakerphone** switch **coupled** to the **telephone** controller, said user interface means being responsive to said speakerphone switch for coupling said handset microphone and said handset earpiece to said **telephone** line interface means and for **coupling** said **speakerphone** microphone and said speakerphone speaker to said telephone line interface means.

10. A telephone controller...

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19/5,K/5 (Item 5 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00377973

Full-duplex digital speakerphone.

Vollduplex-digitaler Lautfernsprecher.

Telephone numerique avec haut-parleur entierement duplex.

PATENT ASSIGNEE:

ROLM COMPANY, (1575230), 4900 Old Ironside Drive P.O. Box 58075, Santa Clara, CA 95052, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Arbel, Ygal, 1235 Wildwood Avenue Apt. No 249, Sunnyvale, CA. 94089, (US)

LEGAL REPRESENTATIVE:

Fuchs, Franz-Josef, Dr.-Ing. et al (3891), Postfach 22 13 17, D-80503 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 366584 A2 900502 (Basic)  
EP 366584 A3 901122  
EP 366584 B1 941207

APPLICATION (CC, No, Date): EP 89480137 890912;

PRIORITY (CC, No, Date): US 263115 881026

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04M-009/08;

CITED PATENTS (EP A): US 4636586 A; GB 2011230 A

CITED REFERENCES (EP A):

GLOBAL TELECOMMUNICATIONS CONFERENCE, Tokyo, 15th - 18th November 1987, vol. 3, pages 1955-1959, IEEE, New York, US; W. HSU et al.: "Acoustic echo cancellation for loudspeaker telephones"

IDEM;

ABSTRACT EP 366584 A2

A full-duplex digital speakerphone 10 includes a transmit signal path having an output coupled to a telephone trunk and a receive signal path having an input coupled to the telephone trunk and an output coupled to a loudspeaker means. The speakerphone further includes a room echo cancellation adaptive filter 56 and a trunk echo cancellation adaptive filter 66. Serially coupled within the transmit signal path is a selective suppression block 50 for suppressing a component of a Mu-Law or an A-Law quantization error signal. A second selective suppression block 52 is serially coupled within the receive signal path. Suppression of non-linearities due to Mu-Law or A-Law signal conversion is also accommodated by providing a non-linear signal processing block 40 at an input to an adaptive filter and an optional non-linear signal processing block at an output of the adaptive filter. Each of the blocks emulates and compensates for signal converter non-linearity. The speakerphone facilitates adaptive filter coefficient initialization by beginning a call in a half-duplex mode and switching to full-duplex when filter coefficients are adapted. The speakerphone also has a variable adaptation step size which is a function of a short-term estimate of signal power within the associated transmit or receive signal paths.

ABSTRACT WORD COUNT: 207

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 900502 A2 Published application (A1with Search Report ;A2without Search Report)  
Search Report: 901122 A3 Separate publication of the European or International search report  
Examination: 910717 A2 Date of filing of request for examination: 910522  
Change: 911106 A2 Representative (change)  
\*Assignee: 911106 A2 Applicant (transfer of rights) (change): ROLM Systems (1352641) 4900 Old Ironsides Drive Santa Clara, CA 95054 (US) (applicant designated states: DE;FR;GB)



April 3, 2003

\*Assignee: 911106 A2 Previous applicant in case of transfer of rights (change): International Business Machines Corporation (200120) Old Orchard Road Armonk, N.Y. 10504 (US) (applicant designated states: DE;FR;GB)

Examination: 930804 A2 Date of despatch of first examination report: 930624

Change: 930922 A2 Representative (change)

\*Assignee: 930922 A2 Applicant (transfer of rights) (change): ROLM COMPANY (1575230) 4900 Old Ironside Drive P.O. Box 58075 Santa Clara, CA 95052 (US) (applicant designated states: DE;FR;GB)

Grant: 941207 B1 Granted patent

Oppn None: 951129 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	EPBBF1	1066
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CLAIMS B	(English)	EPBBF1	1157
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CLAIMS B	(German)	EPBBF1	978
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CLAIMS B	(French)	EPBBF1	1500
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SPEC A	(English)	EPBBF1	6232
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SPEC B	(English)	EPBBF1	6294
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Total word count - document A	7298
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Total word count - document B	9929
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Total word count - documents A + B	17227
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...CLAIMS A3

1. A speakerphone including a transmit signal path having an output coupled to a **communications link**, the **speakerphone** further including a receive signal path having an input coupled to the communications link and...

...CLAIMS 54,55,56,50,58,62,72,74,76) having an output coupled to a **communications link**, the **speakerphone** further including a receive signal path (64,65,66,52;68,70;78,80,82...

19/5,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00262433

Telephone conversion device.

Fernsprechumsetzungseinrichtung.

Dispositif de conversion telephonique.

PATENT ASSIGNEE:

Telemart Communications Corporation, (916060), 15352 N. E. 96th Place, Redmond Washington 98052, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

Skelly, Peter T., 9003 N. E. 39th, Kirkland Washington 98052, (US)

LEGAL REPRESENTATIVE:

Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner, Maximilianstrasse 58, D-8000 Munchen 22, (DE)

PATENT (CC, No, Kind, Date): EP 266740 A2 880511 (Basic)

APPLICATION (CC, No, Date): EP 87116164 871103;

PRIORITY (CC, No, Date): US 926898 861103

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: H04M-009/00; H04M-003/42;

ABSTRACT EP 266740 A2

A telephone conversion device for converting a multiple line electromechanical telephone system having an electromechanical key system unit (KSU) for use with electronic telephones. Each conversion device includes a wall unit having a 50-pin connector for mating with the 50-pin

April 3, 2003

connector of the KSU outlet cable, and a keystrip unit positionable on the desk of the user and upon which an electronic telephone is positioned. A slender 8-wire cord extends between the keystrip and wall units. The wall unit includes a first microprocessor which operates with a line status detector for determining the operational status of five multiple telephone lines by sensing the lamp driving signals provided by the KSU. Relays under the operation of the first microprocessor connect a selected line to a common talking pair which extends within the cord between the units for connection to the telephone. A detector detects when the receiver is off-hook. The keystrip unit includes a second microprocessor which operates with a switch scanning detector to sense the operation of five momentary contact line selection switches, each corresponding to one of the lines, and a momentary contact hold switch. Five pair of line status lights are provided, one pair being positioned adjacent to each of the line selection switches and selectively emitting red or green color light. Based upon information from the detectors the microprocessors control operation of the status lights and the relays. The first microprocessor maintains a hold-queue indicating which of the lines have been put on hold by the user and the order the lines were put on hold, and can automatically select a line for connection from the hold-queue or an idle line. The light color and whether constant or flashing indicates if the line is under the user's or another's control, and whether on hold or in use.

ABSTRACT WORD COUNT: 307

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880511 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Withdrawal: 890222 A2 Date on which the European patent application  
was withdrawn: 881223

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	6077
SPEC A	(English)	EPABF1	9686
Total word count - document A			15763
Total word count - document B			0
Total word count - documents A + B			15763

...CLAIMS means to connect said selected line to said common line or upon the other user **telephone** user selecting the line for **connection** to the receiver/ **speakerphone** of the other user's **telephone** conversion device.

8. The telephone conversion device of claim 7, wherein said control means further...

...said second color and for ceasing illumination with said first color responsive to the other **telephone** user selecting the line for **connection** to the receiver/ **speakerphone** of the other user's **telephone** conversion device.

16. The telephone conversion device of claim 3, wherein said ... second color if the line corresponding to said pair of lights has been selected for **connection** to the receiver/ **speakerphone** of the other **telephone** user.

18. An electronic telephone usable with a multiple line electromechanical telephone system having an...

...to said pair of lights has been placed on hold by a user of another **telephonic** device or selected for **connection** to the receiver/ **speakerphone** of the other user's **telephonic** device.

21. The electronic telephone of claim 18, wherein said ...means to connect said selected line to said common line or upon the other user **telephone** user selecting the line for **connection** to said receiver/ **speakerphone** of the other user's **telephonic** device.

25. The electronic telephone of claim 24, wherein said control means

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further includes means...said second color and for ceasing illumination with said first color responsive to the other **telephone** user selecting the line for **connection** to said receiver/**speakerphone** of the other user's **telephonic** device.  
33. The electronic telephone of claim 20, wherein said control means includes means for...

...second color if the line corresponding to said pair of lights has been selected for **connection** to said receiver/**speakerphone** of the other **telephonic** device user.

35. An electronic telephonic device usable with a multiple line electromechanical telephone system...to said pair of lights has been placed on hold by a user of another **telephonic** device or selected for **connection** to the receiver/**speakerphone** of the other user's **telephonic** device.

38. The telephonic device of claim 35, wherein said control means further includes transfer...

...means to connect said selected line to said common line or upon the other user **telephone** user selecting the line for **connection** to said receiver/**speakerphone** of the other user's **telephonic** device.

42. The telephonic device of claim 41, wherein said control means further includes means...said second color and for ceasing illumination with said first color responsive to the other **telephone** user selecting the line for **connection** to said receiver/**speakerphone** of the other user's **telephonic** device.

50. The telephonic device of claim 37, wherein said control means includes means for...

...second color if the line corresponding to said pair of lights has been selected for **connection** to said receiver/**speakerphone** of the other **telephonic** device user. ...

19/5,K/7 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00922489 \*\*Image available\*\*

CELL PHONE - HAND SET COMBINATION UNIT

UNITE DE COMBINAISON TELEPHONE CELLULAIRE COMBINE TELEPHONIQUE

Patent Applicant/Assignee:

SITAL TECHNOLOGY AND HARDWEAR DEVELOPMENT (1997) LTD, 50 Moran St., P.O. Box 328, 23840 Timrat, IL, IL (Residence), IL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

HOFMAN Ofer, 50 Moran Street, 23840 Timrat, IL, IL (Residence), IL (Nationality), (Designated only for: US)

Legal Representative:

REINHOLD COHN AND PARTNERS (agent), P.O. Box 4060, 61040 Tel Aviv, IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200256572 A1 20020718 (WO 0256572)

Application: WO 2001B2288 20011204 (PCT/WO IB0102288)

Priority Application: IL 140817 20010109

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-001/725

International Patent Class: H04M-001/02

April 3, 2003

Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 7134

English Abstract

A cell phone - hand set combination unit making it possible to operate a cell phone in the manner of a hand set. The unit includes a hand set provided with a mouthpiece having a microphone therein, an earpiece having a miniature loudspeaker therein, and a yoke bridging the mouthpiece and the earpiece, said yoke having a socket therein adapted to cradle a cell phone. The unit also includes a cell phone provided with a microwave transceiver to which is coupled a microphone and an ear phone; and an interface network housed in the yoke and operative when the cell phone is cradled in the socket to couple the cell phone to the hand set so that the microphone and earphone of the cell phone are supplanted by the microphone and speaker of the hand set which then functions like a cordless hand set.

French Abstract

L'invention concerne une unite de combinaison telephone cellulaire combine telephonique rendant possible le fonctionnement d'un telephone cellulaire a la maniere d'un combine telephonique. Cette unite comporte un combine telephonique pourvu d'une embouchure contenant un microphone, d'un ecouteur contenant un haut-parleur miniature, et d'un corps reliant l'embouchure a l'ecouteur, ledit corps comprenant un socle concu pour accueillir un telephone cellulaire. Cette unite comporte egalement un telephone cellulaire pourvu d'un emetteur-recepteur a micro-ondes, auquel est couple un microphone et un ecouteur ; ainsi qu'un reseau d'interface loge dans le corps, pouvant fonctionner lorsque le telephone cellulaire est accueilli dans le socle pour coupler le telephone cellulaire au combine telephonique, de sorte que le microphone et l'ecouteur du telephone cellulaire soient remplaces par le microphone et le porte-voix du combine telephonique qui fonctionne alors comme un combine sans fil.

Legal Status (Type, Date, Text)

Publication 20020718 A1 With international search report.  
Publication 20020718 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.  
Publication 20020718 A1 Published entirely in electronic form (except the front page) and available upon request from the International Bureau.  
Examination 20021121 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:  
Claims

Claim

... forth in Claim 9 including circuit means which  
to operate when the combined unit is **coupled** to the **speaker phone**  
unit to supplant the microphone and speaker of the combined unit with the  
microphone and...

19/5,K/8 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00920605 \*\*Image available\*\*

METHOD AND APPARATUS FOR ACTIVE REDUCTION OF SPEAKERPHONE SINGING  
PROCEDE ET APPAREIL DE REDUCTION ACTIVE DE RESONANCES DE TELEPHONE

April 3, 2003

**HAUT-PARLEUR**

**Patent Applicant/Assignee:**

AT & T CORP, 32 Avenue of the Americas, New York, NY 10013-2412, US, US  
(Residence), US (Nationality)

**Inventor(s):**

ERVING Richard Henry, 3 Overbrook Road, Piscataway, NJ 08854, US,  
MILLER II Robert Raymond, 12 Bradley Road, Convent Station, NJ 07960, US,

**Legal Representative:**

CANAVAN Robert T (et al) (agent), AT & T Corp., P.O. Box 4110,  
Middletown, NJ 07748-4110, US,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200254719 A2 20020711 (WO 0254719)  
Application: WO 2001US50571.20011221 (PCT/WO US0150571)  
Priority Application: US 2000750376 20001228

**Designated States: CA JP MX**

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

**Main International Patent Class: H04M-001/00**

**Publication Language: English**

**Filing Language: English**

**Fulltext Availability:**

Detailed Description  
Claims

Fulltext Word Count: 2874

**English Abstract**

In a speakerphone device identification of signals (i.e., voice input or speaker output) in a process for reducing acoustic feedback, in a communication device, is accomplished by adding a signature noise (i.e., an identification mark) to output signals radiated by the speaker to enable these signals to be separated from speech input to the microphone. Having identified the signal (i.e., speech output) likely to cause a "singing" phenomenon, appropriate insertion loss to reduce the feedback may be added to the appropriate speech path within the communication device, to reduce a probability of singing.

**French Abstract**

Selon l'invention, dans un dispositif de telephone haut-parleur, l'identification de signaux (entree vocale ou sortie haut-parleur) en vue de reduire la reaction acoustique, dans dispositif de communication, est realisee par l'adjonction d'un bruit signature (c'est-a-dire une marque d'identification) aux signaux de sortie emis par le haut-parleur, ce qui permet de separer ces signaux de l'entree vocale au microphone. Apres identification du signal (c'est-a-dire la sortie vocale) susceptible de produire un phenomene de resonance, une perte par insertion appropriee afin de reduire la reaction peut-etre ajoutee a la voie de conversation appropriee dans le dispositif de communication en vue de reduire la probabilite d'un phenomene de resonance.

**Legal Status (Type, Date, Text)**

Publication 20020711 A2 Without international search report and to be  
republished upon receipt of that report.  
Examination 20030109 Request for preliminary examination prior to end of  
19th month from priority date

**Fulltext Availability:**

Claims

**Claim**

... with the PN sequence; and  
20 correlating the input with the modulated output.  
10 A speakerphone connected to a communication network,  
comprising:  
a loudspeaker for providing voice output connected to an output  
path having envelope...

April 3, 2003

19/5,K/9 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00855449 \*\*Image available\*\*

**SYSTEM AND METHOD FOR PROVIDING TELEPHONY SERVICES**  
**PRESTATION DE SERVICES TELEPHONIQUES**

Patent Applicant/Assignee:

INTEL CORPORATION, 2200 Mission College Boulevard, Santa Clara, CA 95052,  
US, US (Residence), US (Nationality)

Inventor(s):

TAKAHASHI Richard, 14033 South 35th Place, Phoenix, AZ 85044, US,

Legal Representative:

TROP Timothy N (et al) (agent), Trop, Pruner & Hu, P.C., 8554 Katy  
Freeway, Ste. 100, Houston, TX 77024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200189173 A2-A3 20011122 (WO 0189173)

Application: WO 2001US40447 20010403 (PCT/WO US0140447)

Priority Application: US 2000572346 20000517

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-001/253

International Patent Class: H04M-001/247; H04M-001/27

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5528

English Abstract

A digital signal processor provides a variety of telephony services for a processor-based system. A standard **telephone** or **speakerphone** may be **coupled** to the processor-based system. Further, both ADSL and analog modem functionality, for communication with other processor-based systems, such as on a network, may be available in some embodiments. Additional graphical user interfaces may be supplied for enhanced communication of telephony services. Single or dual-line connection to the telephone network may be supported. The simultaneous operation of modem and telephony functions may also be possible in some embodiments.

French Abstract

L'invention concerne un processeur de signaux numerique fournissant une variete de services telephoniques destine a un systeme commande par processeur. Un telephone ordinaire ou un telephone a haut-parleur peut etre couple audit systeme. En outre, a la fois la fonctionnalite LNPA (ligne numerique a paire asymetrique) et modem analogique, permettant la communication avec d'autres systemes commandes par processeur, notamment en reseau, peuvent etre disponibles dans certains modes de realisation. Des interfaces d'utilisateur graphique supplementaires peuvent etre fournies de maniere a ameliorer la communication des services telephoniques. Une connexion a une ou deux lignes au reseau telephonique peut etre supportee. L'operation simultanee des fonctions modem et telephonique peuvent egalement etre possibles dans certains modes de realisation.

Legal Status (Type, Date, Text)

Publication 20011122 A2 Without international search report and to be

April 3, 2003

republished upon receipt of that report.  
Examination 20020207 Request for preliminary examination prior to end of  
19th month from priority date  
Search Rpt 20020606 Late publication of international search report  
Republication 20020606 A3 With international search report.  
English Abstract

...signal processor provides a variety of telephony services for a  
processor-based system. A standard **telephone** or **speakerphone** may be  
**coupled** to the processor-based system. Further, both ADSL and analog  
modem functionality, for communication with...

19/5,K/10 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00836202 \*\*Image available\*\*

**IMPROVEMENTS TO WIRELESS TELEPHONE EQUIPMENT**  
**AMELIORATIONS POUR MATERIEL TELEPHONIQUE SANS FIL**

Patent Applicant/Assignee:

ROKE MANOR RESEARCH LIMITED, Roke Manor, Old Salisbury Lane, Romsey,  
Hampshire SO51 0ZN, GB, GB (Residence), GB (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

ROBERTSON Nigel, 2 Manor Bridge Court, Tidworth, Wiltshire SP9 7NH, GB,  
GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

CONDON Neil (et al) (agent), Siemens Shared Services Limited, Siemens  
House, Oldbury, Bracknell, Berkshire RG12 8FZ, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169898 A1 20010920 (WO 0169898)

Application: WO 2001EP2647 20010308 (PCT/WO EP0102647)

Priority Application: GB 20005790 20000311

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-001/725

International Patent Class: H04Q-007/32

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 1607

English Abstract

The present invention relates to apparatus for connecting wireless  
telephones to a fixed wired telecommunications network. A digital  
enhanced cordless telecommunications (DECT) telephone charger unit (100)  
for a DECT telephone (104) is provided with a standard Private Automatic  
Branch eXchange (PABX) telephone socket (110). Any conventional PABX  
telephone equipment (112) can connect to the standard PABX telephone  
socket (110). The DECT telephone (104) communicates with a DECT base  
station (102). Also provided in the charger unit (100) is a conversion  
unit (114). The conversion unit (114) interfaces between the standard  
PABX telephone socket (110) and the DECT telephone (104) in order that  
conventional telephone exchange facilities, including conference call  
functions, **speaker phone** functions and modem **connection** functions,  
can be accessed.

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French Abstract

La presente invention concerne un dispositif permettant de connecter des telephones sans fil sur un reseau de telecommunication filaire fixe. Un chargeur (100) ameliore pour telephone sans fil (DECT) (104) est muni d'une prise telefonique PABX (110) standard. Tout materiel telefonique PABX (112) classique peut etre branche sur la prise telefonique PABX (110) standard. Le telephone DECT (104) communique avec une station de base DECT (102). Le chargeur (100) comporte egalement une unite de conversion (114). Cette unite (114) assure l'interface entre la prise telefonique PABX (110) standard et le telephone DECT (104). Ainsi, il est possible d'accéder a des installations d'echange telefonique classique, dont des fonctions de conference, de telephone pour orateur et de connexion modem.

Legal Status (Type, Date, Text)

Publication 20010920 A1 With international search report.

Publication 20010920 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

English Abstract

...the DECT telephone (104) in order that conventional telephone exchange facilities, including conference call functions, **speaker phone** functions and modem **connection** functions, can be accessed.

19/5,K/11 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00560812 \*\*Image available\*\*

P/C MOUSE BOTH FOR ITS FUNCTION AND FOR A TELEPHONE SET

SOURIS POUR PC DESTINEE A SA FONCTION PREMIERE ET SERVANT DE COMBINE DE TELEPHONE

Patent Applicant/Assignee:

CHO Sang Jin,

Inventor(s):

CHO Sang Jin,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200024185 A1 20000427 (WO 0024185)

Application: WO 98KR327 19981020 (PCT/WO KR9800327)

Priority Application: WO 98KR327 19981020

Designated States: JP US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: H04M-011/00

International Patent Class: H04M-001/21; G06F-003/033

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 1200

English Abstract

The present invention relates to a P/C mouse and particularly to the P/C mouse both for its function and for a telephone set, in which a telephone set circuit board (20) is equipped with a mouse body (22), at the lower portion of a mouse button (10, 12) an on-hook button (24) and a dialing button (28) are mounted, and a microphone for transmission (30) and a speaker for reception (32) are mounted to the lower and upper portions of the mouse body (22), in order to use the mouse as the telephone set. The P/C mouse both for its function and for a telephone set according to the present invention enables to operate the P/C and at the same time to hold a conversation by telephone, and thus applies to the general business using the P/C, the field of communication sale, telephone number information service and the field of command communication of the police



April 3, 2003

of an army.

#### French Abstract

L'invention concerne une souris pour PC et particulierement une souris pour PC destinee a sa fonction premiere et servant de combine de telephone. On prevoit une carte de circuit imprime (20) logee dans un corps de souris (22). Sur la partie inferieure d'un bouton (10, 12) de souris sont installees une touche de raccrochage (24) et une touche de composition (28). Un microphone pour transmission (30) et un ecouteur de reception (32) sont montes respectivement dans les parties inferieure et superieure du corps de souris (22) de sorte que l'on puisse se servir de la souris comme d'un combine de telephone. La souris pour PC permet de faire fonctionner le PC et de maintenir a la fois une conversation telefonique. Elle trouve donc une application dans le domaine de la vente par telephone, les services de renseignements sur les numeros telefoniques et le domaine de la communication pour la police et l'armee.

#### Fulltext Availability:

Claims

#### Claim

... its function and for a  
telephone set as set forth in claim 1, wherein a  
**speakerphone** button 26 being **connected** with the  
20 **telephone** set circuit board 20 is mounted at the lower  
portion of said mouse button 10...

19/5,K/12 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00439543 \*\*Image available\*\*

#### INTERNET PHONE SET

#### APPAREIL TELEPHONIQUE POUR INTERNET

Patent Applicant/Assignee:

MCI COMMUNICATIONS CORPORATION,

WILSON James E,

Inventor(s):

WILSON James E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9830007 A1 19980709

Application: WO 97US23815 19971222 (PCT/WO US9723815)

Priority Application: US 96775505 19961231

Designated States: AU CA GM GW ID JP MX AT BE CH DE DK ES FI FR GB GR IE IT

LU MC NL PT SE

Main International Patent Class: H04M-007/00

International Patent Class: H04M-01:00; H04M-11:06

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4159

#### English Abstract

An Internet phone provides standard voice and Internet audio functions using the familiar Plain Old Telephone System platform. Internet audio connections are initiated using an access button on the base of the telephone. A phone keypad and alphanumeric keyboard provide both DTMF dialing and Internet message handling functions. A speaker is provided or the hand set can be used to send and receive Internet compressed audio messages over the Public Switched Telephone System via the user's Internet access provider. The user selects a recipient from a stored address list or creates a new recipient using the alphanumeric keyboard.

April 3, 2003

Once the call is established, a user at either end speaks directly into the phone receiver wherein his voice signal is digitized into a voice file that is stored and transferred to the user at the other end. The Internet phone has an integrated display and display electronics which decode incoming messages. A ROM based program inside the phone decodes the address portion of an incoming Internet message and displays it on the screen identifying the identity of the caller.

French Abstract

Appareil telephonique pour Internet assurant la telephonie classique et des fonctions audio liees a Internet, sur la base de la plate-forme telephonique traditionnelle. On lance les connexions audio avec Internet par un bouton d'accès au bas du telephone. Un clavier telephonique et un clavier alphanumerique offrent a la fois la numerotation multifrequence et les fonctions de traitement de messages propres a Internet. Ledit appareil comporte un haut-parleur ou bien le combine peut etre utilise pour l'envoi et la reception des messages audio comprimes sur Internet via le reseau telephonique public commute (RTPC), en passant par le fournisseur d'accès Internet de l'utilisateur. Ce dernier choisit un destinataire dans une liste enregistree ou etablit une nouvelle adresse de destination par le biais du clavier alphanumerique. Une fois l'appel en cours, l'utilisateur a chaque bout de la ligne parle directement dans le combine, et les signaux vocaux sont numerises en un fichier vocal mis en memoire et transfere a l'utilisateur a l'autre bout. Ledit telephone possede un ecran integre et un systeme electronique d'affichage pour decoder les messages entrants. Un programme a base de memoire ROM dans l'appareil decode la partie adresse d'un message Internet entrant et l'affiche a l'ecran, ce qui permet de connaitre l'identite de l'appelant.

Fulltext Availability:

Claims

Claim

... to said  
controller circuit.

20 The circuit according to claim 8 further comprising:  
an audio **speaker** **phone** **coupled** to said modem data pump;  
and  
a ringer adjust circuit **coupled** to said audio **speaker**  
**phone** for adjusting the volume of the speaker output signal.

19/5,K/13 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00404166 \*\*Image available\*\*

**BROADCAST RECEIVER WITH INTEGRATED TELEPHONE UNIT**  
**RECEPTEUR RADIO AVEC DISPOSITIF TELEPHONIQUE INTEGRE**

Patent Applicant/Assignee:

ROBERT BOSCH GMBH,  
REICHSTEIN Martin,

Inventor(s):

REICHSTEIN Martin,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9744910 A1 19971127

Application: WO 97DE993 19970516 (PCT/WO DE9700993)

Priority Application: DE 19619815 19960517

Designated States: JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: H04B-001/38

International Patent Class: H04Q-07:32; H04H-01:00

Publication Language: German

Fulltext Availability:

Detailed Description

April 3, 2003

Claims

Fulltext Word Count: 2206

English Abstract

The invention relates to a broadcast receiver with an integrated telephone unit (1) which is used to switch speaker phones (20, 21, 22, 23) between broadcasting playback and telephone playback. In this connection, during **telephone** operation the **speaker phones** (20,..., 23) **connectable** to the broadcast receiver are switched to telephone playback and when a predetermined signal is received by the broadcast receiver, preferably an identification signal, modulated on a 57kHz auxiliary carrier, for traffic reports the speaker phones (20,..., 23) are partially switched to broadcasting playback. During the broadcasting reception, the **speaker phones** (20,..., 23) **connectable** to the broadcast receiver are switched to broadcasting receiver playback and when there is loop closure in the telephone unit (1) as a result of an incoming and/or outgoing call being answered, the speaker phones (20,..., 23) are switched over at least partially to telephone playback. A control circuit (5) can switch over the speaker phones (20,..., 23) and is also used for acoustic conditioning of audio signals. Different predetermined states of occupancy of the speaker phones (20,..., 23) can be selected with telephone and broadcasting signals by a user by way of a control unit (30) connected to the control circuit (5).

French Abstract

L'invention concerne un recepteur radio avec dispositif telephonique (1) integre, servant a la commutation de haut-parleurs (20, 21, 22, 23) entre la reproduction radio et la reproduction telephonique. En mode telephonie, les haut-parleurs (20,..., 23) qui peuvent etre connectes au recepteur radio sont commutes sur la reproduction telephonique et, lors de la reception d'un signal predetermine par le recepteur radio, de preference d'un signal d'identification module sur une porteuse auxiliaire de 57 kHz pour annonces relatives au trafic, les haut-parleurs (20,..., 23) sont partiellement commutes sur la reproduction radio. En mode reception radio, les haut-parleurs (20,..., 23) pouvant etre connectes au recepteur radio sont commutes sur la reproduction en reception radio et, en cas d'affectation de boucle dans le dispositif telephonique (1) en cas de reception d'un appel arrivant et/ou partant, les haut-parleurs (20,..., 23) sont au moins partiellement commutes sur la reproduction telephonique. La commutation des haut-parleurs (20,..., 23) peut se faire au moyen d'un circuit de commande (5), lequel sert en outre a la mise en forme acoustique du signal audio. Un utilisateur peut, par l'intermediaire d'une unite de commande (3) reliee au circuit de commande (5), selectionner des affectations predeterminees des haut-parleurs (20,..., 23) a des signaux telephoniques et radio.

English Abstract

...phones (20, 21, 22, 23) between broadcasting playback and telephone playback. In this connection, during **telephone** operation the **speaker phones** (20,..., 23) **connectable** to the broadcast receiver are switched to telephone playback and when a predetermined signal is...

...speaker phones (20,..., 23) are partially switched to broadcasting playback. During the broadcasting reception, the **speaker phones** (20,..., 23) **connectable** to the broadcast receiver are switched to broadcasting receiver playback and when there is loop...

19/5,K/14 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00332183 \*\*Image available\*\*

METHOD AND APPARATUS FOR ESTABLISHING FULL-DUPLEX SOUND COMMUNICATION FOR A SPEAKERPHONE SYSTEM

PROCEDE ET APPAREIL PERMETTANT D'ETABLIR UNE COMMUNICATION SONORE EN DUPLEX

April 3, 2003

**INTEGRAL POUR UN SYSTEME A POSTE A HAUT-PARLEUR**

Patent Applicant/Assignee:

SIERRA SEMICONDUCTOR CORPORATION,  
LIU Chang-Tsuo,  
LONG David K,

Inventor(s):

LIU Chang-Tsuo,  
LONG David K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9614694 A1 19960517

Application: WO 95US14530 19951103 (PCT/WO US9514530)

Priority Application: US 94334126 19941104

Designated States: CA JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: H04B-001/10

International Patent Class: H04M-09:08

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4987

**English Abstract**

The present invention is directed to an apparatus (such as a speakerphone (100)) and method for establishing a full-duplex signal path immediately upon connection of the apparatus to an external communication path (102) (such as an external telephone line). Exemplary embodiments of the present invention are directed to training the electrical echo canceler (138) with respect to the impedance of the external communication path (102) (such as an external **telephone** line to which the **speakerphone** (100) is **connected**) during an installation phase and storing the trained parameters for subsequent use prior to interfacing the system to an external telephone line and completing a full-duplex path connection.

**French Abstract**

L'invention concerne un appareil (tel qu'un poste a haut-parleur (100)) ainsi qu'un procede permettant d'etablir un chemin de signaux en duplex integral immediatement lorsque l'on connecte l'appareil a un circuit de communication externe (102) (tel qu'une ligne telephonique externe). Des exemples de modes de realisation de la presente invention concernent la formation du supprimeur (138) d'echo electrique par rapport a l'impedance du circuit de communication externe (102) (tel qu'une ligne telephonique externe a laquelle le poste a haut-parleur (100) est connecte) lors d'une phase d'installation et le stockage des parametres de formation en vue de les utiliser ulterieurement avant de mettre le systeme en interface sur une ligne telephonique externe et completer une connexion d'un circuit en duplex integral.

**English Abstract**

...with respect to the impedance of the external communication path (102) (such as an external **telephone** line to which the **speakerphone** (100) is **connected**) during an installation phase and storing the trained parameters for subsequent use prior to interfacing...

19/5,K/15 (Item 9 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00233456

**APPARATUS AND METHOD FOR ELECTRONIC DEVICE FOR INFORMATION SERVICES**

**APPAREIL ET PROCEDE POUR DISPOSITIF ELECTRONIQUE DESTINE A DES SERVICES**

**D'INFORMATION**

Patent Applicant/Assignee:

VISCORP,  
REMILLARD Roger,

April 3, 2003

Inventor(s):

REMILLARD Roger,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9307713 A1 19930415

Application: WO 92US8316 19920930 (PCT/WO US9208316)

Priority Application: US 91520 19911003

Designated States: AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KR LK LU MG  
MN MW NL NO PL RO RU SD SE US AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
SE BF BJ CF CG CI CM GA GN ML MR SN TD TG

Main International Patent Class: H04N-007/12

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5628

English Abstract

An electronic device (20) and method for accessing remote electronic facilities (30) and displaying associate information on a conventional television set (50). The electronic device (20) self-configures itself upon power-up or reset by initiating a data call to a configuring facility (30). Information related to available facilities and programming, autonomous mail checking is downloaded to the electronic device (20). The electronic device (20) displays a menu including several user selectable facilities. The user chooses one of the options from the menu by use of a remote keypad control (52). The options available include printing, electronic mail, news and information services. Interfacing the electronic device (20) with a stylus-type pointing device (54) permits sketching and drawing on the television (50), including superposition of images on captured television images. Captured images of graphics or text are optionally stored or forwarded to a user through a mail facility accessed through operation of the system. The captured images may subsequently be sent via facsimile transmission to other facsimile transmission machines or receivers. The electronic device (20) includes a speaker phone (136) for providing audio information received over telephones to the television (50) speaker.

French Abstract

L'invention concerne un procede et un dispositif (20) electronique permettant d'avoir acces a des unites electroniques a distance (30) et d'afficher des informations associees sur un ecran de television classique (50). Le dispositif electronique (20) s'autoconfigure lui-meme lors de la mise sous tension ou remise a l'etat initial en initiant un appel d'information vers une unite (30). Les informations relatives aux unites disponibles et a la verification de messagerie de programmation sont telechargees dans le dispositif electronique (20). Le dispositif electronique (20) affiche un menu comprenant plusieurs possibilites selectionnables par l'utilisateur. L'utilisateur choisit l'une des options du menu en utilisant une commande a clavier a distance (52). Les options disponibles comprennent l'impression, la messagerie electronique, les nouvelles et les services d'information. Une interface entre le dispositif electronique (20) et un dispositif de designation du type a stylet (54) permet de faire des croquis et de dessiner sur la television (50), et de superposer des images sur des images de television saisies. Les images saisies graphiques ou textuelles sont eventuellement stockees ou acheminees vers un utilisateur par l'intermediaire d'une unite de messagerie dont l'accès se fait par l'actionnement du systeme. Les images saisies peuvent ulterieurement etre envoyees par transmission facsimilee a d'autres telecopieurs ou recepteurs. Le dispositif electronique (20) comprend un poste telephonique a haut parleur (136) pour donner des informations sonores recues par l'intermediaire de telephones a un presentateur de television (50).

Fulltext Availability:

Claims

April 3, 2003

Claim

... receiving said data relating to  
keypress events and converting them into control signals; and  
a **speakerphone** controller,, **coupled** to said **telephone**  
receiver, said audioconverter circuit and said remote  
receiver, for controlling telephone operation responsive to  
said...

19/5,K/16 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00169629

**METHOD AND APPARATUS FOR CONTROLLING TRANSMISSION OF VOICE AND DATA SIGNALS  
PROCEDE ET APPAREIL DE COMMANDE DE TRANSMISSION DE SIGNAUX DE VOIX ET DE  
DONNEES**

Patent Applicant/Assignee:

INTELLIGENCE TECHNOLOGY CORPORATION,

Inventor(s):

WALKER C Morris,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9003076 A1 19900322

Application: WO 89US3710 19890828 (PCT/WO US8903710)

Priority Application: US 88787 19880901

Designated States: AT AU BE BG BR CH DE DK FI FR GB HU IT JP KP KR LU MC NL  
NO RO SE SU

Main International Patent Class: H04M-011/00

International Patent Class: H04Q-07:04

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8378

English Abstract

The present invention provides a control circuit for controlling the path of voice and data signals in a communication system which comprises at least a speaker phone (28), a cellular transmit/receive unit (TRU) (16), a cellular (CU) handset (20) and a computer (12) having at least a communications software program (68), a keyboard (64) and an I/O port (30) for communications. The control circuit receives voice and data signals from a plurality of different input sources and routes or switches the received voice and data signals to different selectable destinations. The control circuit comprises analog switching circuitry (54), a CPU (32), a modem (56), landline interface circuitry (38), TRU interface circuitry (40) and cellular handset interface circuitry (42) which are operatively connected together.

French Abstract

Cette invention concerne un circuit de commande destine a commander le chemin de signaux de voix et de donnees dans un systeme de communications, comprenant au moins un bloc microphone haut-parleur (28), une unite (16) cellulaire de transmission/reception (TRU), un combine (20) cellulaire (Cu) ainsi qu'un ordinateur (12) comportant au moins un programme (68) de logiciel de communications, un clavier (64) et une porte d'accès I/O (30) pour les communications. Le circuit de commande recoit des signaux de voix et de donnees d'une pluralite de differentes sources, et achemine ou transfere les signaux de voix et de donnees recus vers des destinations selectionnables differentes. Le circuit de commande comprend un circuit (54) de commutation analogique, un modem (56), un circuit (38) d'interface de ligne terrestre, un circuit (40) d'interface TRU ainsi qu'un circuit (42) d'interface de combine cellulaire relies de maniere fonctionnelle.

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Fulltext Availability:  
Claims

Claim

... means, said cellular interface means being structured to be connected to the cellular (CU) handset; **speaker phone** interface means operatively **connected** to said **analog** switching means, said speaker phone interface means being structured to be **connected** to the **speaker phone** ;  
a modem operatively connected to said analog switching means; and  
a central processing unit...means, said cellular interface means being structured to be connected to the cellular (CU) handset;  
**speaker phone** interface means operatively **connected** to said **analog** switching means, said speaker phone interface means being structured to be **connected** to the **speaker phone** ;  
a modem operatively **connected** to said **analog** switching means; and  
a central processing unit operatively connected to said analog switching means, landline...

19/5,K/17 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00146846

**TELEPHONE CONVERSION DEVICE**  
**DISPOSITIF DE CONVERSION TELEPHONIQUE**

Patent Applicant/Assignee:

TELEMART COMMUNICATIONS CORPORATION,

Inventor(s):

SKELLY Peter T,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8803734 A1 19880519

Application: WO 87US2911 19871103 (PCT/WO US8702911)

Priority Application: US 86898 19861103

Designated States: AT AU BE BR CH DE FR GB IT LU NL SE

Main International Patent Class: H04M-001/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16336

English Abstract

A telephone conversion device (10) for converting a multiple line electromechanical telephone system having an electromechanical key system unit (KSU) (18) for use with electronic telephones (21). Each conversion device includes a wall unit (12) having a 50-pin connector (6) for mating with the 50-pin connector (16) of the KSU outlet cable, and a keystrip unit positionable on the desk of the user and upon which an electronic telephone is positioned. A slender 8-wire cord (28) extends between the keystrip and wall units. The wall unit includes a first microprocessor which operates with a line status detector for determining the operational status of five multiple telephone lines by sensing the lamp driving signals provided by the KSU. Relays under the operation of the

April 3, 2003

first microprocessor (62) connect a selected line to a common talking pair which extends within the cord between the units for connection to the telephone. A detector (42) detects when the receiver is off-hook.

#### French Abstract

Dispositif de conversion telephonique (10) pour convertir un systeme de telephone electromecanique a ligne multiple possedant une unite de systeme a touches electromagnetiques (KSU) (18) de maniere qu'on puisse l'utiliser avec des telephones electroniques (21). Chaque dispositif de conversion comprend une unite de paroi (12) possedant un connecteur 50 broches (6) se reliant au connecteur 50 broches (16) du cable de sortie KSU, et une unite comportant une rangee de touches, que l'on peut poser sur le bureau de l'utilisateur et sur laquelle on peut poser un telephone electronique. Un mince cable a 8 conducteurs (28) s'etend entre la rangee de touches et les unites de paroi. L' unite de paroi comprend un premier microprocesseur qui fonctionne avec un detecteur d'etat de ligne pour determiner l'etat de fonctionnement de cinq lignes telephoniques multiples en detectant les signaux de commande de lampe fournies par le KSU. Des relais sous la commande du premier microprocesseur (62) relient une ligne selectionnee a une paire de conversation commune qui s'etend dans le cable entre les unites assurant la connexion avec le telephone. Un detecteur (42) detecte l'etat de decrochement du combine.

#### Fulltext Availability:

Claims

#### Claim

- ... said second color and for ceasing illumination with said first color responsive to the other **telephone** user selecting the line for **connection** to the receiver/ **speakerphone** of the other user's **telephone** conversion device: 4  
16w The telephone conversion device of claim 3, wherein said control means includes...second color if the line corresponding to said pair of lights has been selected for **connection** to the receiver/ **speaker** of the other **telephone** user.
- 18 An electronic telephone usable with a multiple line electromechanical telephone system having an electromechanical...to said pair of lights has been placed on hold by a user of another **telephonic** device or selected for **connection** to the receiver/ **speakerphone** of the other user's **telephonic** device.
- 21o The electronic telephone of claim 18, wherein said control means further includes transfer...means to connect said selected line to said common line or upon the other user **telephone** user selecting the line for **connection** to said receiver/ **speakerphone** of the other user's **telephonic** device.
- 25 The electronic telephone of claim 24, wherein said control means further includes means...said second color and for ceasing illumination with said first color responsive to the other **telephone** user selecting the line for **connection** to said receiver/ **speakerphone** of the other user's **telephonic** device.
- 33 The electronic telephone of claim 20, wherein said control means includes means, for...
- ...second color if the line corresponding to said pair of lights has been selected for **connection** to said receiver/ **speakerphone** of the other **telephonic** device user.
- 35 An electronic telephonic device usable with a multiple line electromechanical telephone system...corresponding to said pair of lights has been placed on hold by a user of another



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telephonic device or selected for connection to the receiver/ **speakerphone** of the other user's telephonic device...-.  
38e The telephonic device of claim 35, wherein said control means further includes transfer...

...means to connect said selected line to said common line or upon the other user **telephone** -user selecting the line for connection to said receiver/ **speakerphone** of the other user's telephonic device.

42 ...said second color and for ceasing illumination with said first color responsive to the other **telephone** user's selecting the line for connection to said receiver/ **speakerphone** of the other user's telephonic device.

50 The telephonic device of claim 37, wherein said control means includes means for...

...second color if the line corresponding to said pair of lights has been selected for connection to said receiver/ **speakerphone** of the other telephonic device user.

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22/5,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00805839 \*\*Image available\*\*

**METHOD AND APPARATUS FOR INTERNET TV**  
**PROCEDE ET APPAREIL POUR TELEVISION INTERNET**

Patent Applicant/Assignee:

ECABLE LLC, 7550 France Avenue South, Edina, MN 55435, US, US (Residence)  
, US (Nationality)

Inventor(s):

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TOLKACHEV Sergey, 9901 Harrison Road #319, Bloomington, MN 55437, US,  
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VINOGRADOV Boaz, 6156 East Greenway Lane, Scottsdale, AZ 85254, US,

Legal Representative:

DAIGNAULT Ronald A (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139476 A1 20010531 (WO 0139476)

Application: WO 2000US31977 20001121 (PCT/WO US0031977)

Priority Application: US 99167505 19991124; US 2000686114 20001011

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY  
BZ CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK  
(utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK  
SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-003/493

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7728

**English Abstract**

A telephone interface and voice recognition driven Internet browser system and method for accessing/browsing the Internet or other remote computing services on a cable or satellite television includes a phone for receiving a voice signal from a user. The voice signal controls a telephone interface, which displays Internet contents or other computing services on the television via a cable or satellite television channel/media. The system also includes a voice recognizer, preferably operated on a supercomputer or located in the phone, for recognizing/interpreting/analyzing a plurality of voice signals and generating command signals to access/browse the Internet or other computer services. The voice recognizer is capable of recognizing/interpreting/analyzing voice signals transmitted from a plurality of users in real time. The system further includes a stack of computers and an Internet browser. Each of the stack of computers is capable of accessing/browsing the Internet and retrieving/organizing requested Internet contents via the Internet browser. The requested Internet contents are sent to the user via a cable or satellite television channel/media with a frame grabber, an intelligent router, or a pre-downloaded system.

**French Abstract**

L'invention concerne une interface telephonique et un systeme de navigateur Internet commande par la voix et un procede d'accès a Internet et a d'autres services informatiques a distance et de navigation sur ces

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ceux-ci par l'intermediaire d'une television par cable ou par satellite comprenant un telephone pour recevoir un signal vocal d'un utilisateur. Le signal vocal commande une interface telephonique, qui affiche les contenus d'Internet ou d'autres services informatiques sur le televiseur via un media/une chaine de television par cable ou par satellite. Le systeme comprend egalement un dispositif de reconnaissance vocale utilise, de preference, sur un super-ordinateur ou situe dans le telephone, afin de reconnaitre/interpreter/analyser plusieurs signaux vocaux et de generer des signaux de commande d'accès a Internet et aux autres services informatiques et de navigation sur ceux-ci. Le dispositif de reconnaissance vocale est capable de reconnaitre/interpreter/analyser des signaux vocaux transmis par plusieurs utilisateurs en temps reel. Le systeme comprend, en outre, plusieurs ordinateurs et un navigateur Internet. Chacun des ordinateurs permet d'accéder a Internet et de naviguer sur Internet ainsi que d'extraire/organiser les contenus d'Internet demandés par l'intermediaire du navigateur Internet. Les contenus d'Internet demandés sont envoyés a l'utilisateur par l'intermediaire d'un media/d'une chaine de television par cable ou par satellite au moyen d'un systeme d'acquisition d'image, d'un routeur intelligent, ou d'un systeme prealablement telecharge.

Legal Status (Type, Date, Text)

Publication 20010531 A1 With international search report.

Publication 20010531 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date

Correction 20020510 Corrected version of Pamphlet: pages 1/5-5/5, drawings, replaced by new pages 1/5-5/5; due to late transmittal by the receiving Office

Republication 20020510 A1 With international search report.

Fulltext Availability:

Claims

Claim

... much wider bandwidth to serve the general public than phone lines which computers are generally **connected** to. It is desirable to use the existing wide band cable or satellite systems to...Still in one embodiment of the present invention, the phone switching I/O network is **coupled** to a plurality of users' phones for routing corresponding plurality of voice signals from the...viewed on a cable TV 108 via cable media 124. The cable TV 108 is **coupled** to a cable box 110, which includes a filter 131 (in Fig...

...and is interactive between the requester and the contents displayed. The phone 102 is preferably **coupled** to a voice recognizer 114 (in Fig. 2) such that the requester may simply make...

...can be in a variety of forms, for example, a touch tone phone, a rotary **phone**, a cellular **phone**, a **mobile phone**, a **speaker phone**, a Personal Digital Assistant (PDA) **phone**, etc. It is also appreciated that the requester sometimes may merely make a request by...

...108 via cable media or channels. The phone switching network or phone hub 104 is **coupled** to the phone 102 via a switch unit 105 for routing the voice signals to...

22/5,K/2 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00543972 \*\*Image available\*\*

April 3, 2003

SWITCHING OF ANALOG SIGNALS IN MOBILE COMPUTING DEVICES

COMMUTATION DE SIGNAUX ANALOGIQUES DANS DES DISPOSITIFS DE CALCUL MOBILES

Patent Applicant/Assignee:

ERICSSON INC,

Inventor(s):

VIDALES Carlos E,

MOON Billy G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200007345 A1 20000210 (WO 0007345)

Application: WO 98US15880 19980728 (PCT/WO US9815880)

Priority Application: WO 98US15880 19980728

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ

VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH

CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW

ML MR NE SN TD TG

Main International Patent Class: H04M-001/72

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6316

English Abstract

A portable digital electronic communication device includes an analog matrix switch to dynamically route analog signals between user interfaces and communication links. The user interfaces include various microphones, speakers, modems and other user interfaces. The communication links may include multiple telephone modules, such as cellular transceivers and telephone land-line connections, and other connections to communication devices. A processor in the communication device issues commands to the analog matrix switch to establish the desired analog signal routing between user interfaces and communication links.

French Abstract

Cette invention concerne un dispositif de communication electronique numerique et portable qui comprend un commutateur de matrice analogique permettant de router dynamiquement des signaux analogiques entre des interfaces d'utilisateurs et des liaisons de communication. Ces interfaces d'utilisateurs comprennent divers microphones, haut-parleurs, modems ou autres interfaces d'utilisateurs. Les liaisons de communication peuvent comprendre de multiples modules telephoniques tels que des emetteurs-recepteurs cellulaires, des connexions telephoniques par lignes terrestres ou d'autres connexions a des dispositifs de communication. Un processeur prevu dans le dispositif de communication va emettre des instructions vers le commutateur de matrice analogique de maniere a etablir le routage de signaux analogiques voulu entre les interfaces d'utilisateurs et les liaisons de communication.

Fulltext Availability:

Claims

Claim

... portable digital data device as in claim 7 wherein said user interfaces further comprise a **speaker phone**.

9 A **portable** digital data device as in claim 7 wherein said user interfaces further comprise a speaker...

...the

analog matrix switch is a blocking switch for preventing two or more simultaneous communication **link connections** to a single active user interface.

I I 1. A portable digital data device as...

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...analog matrix switch is a non-blocking switch for establishing two or more simultaneous communication link connections to a single active user interface.

12 A portable digital data device as in claim...

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24/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00588370

**Audio/video communications processor**

**Audio-/Videokommunikationsprozessor**

**Processeur de communication pour signaux audio/video**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Caci, Joseph Claude, 381 Gary Drive, Owego, New York 13827, (US)

LEGAL REPRESENTATIVE:

Schafer, Wolfgang, Dipl.-Ing. (62021), IBM Deutschland  
Informationssysteme GmbH Patentwesen und Urheberrecht, 70548 Stuttgart,  
(DE)

PATENT (CC, No, Kind, Date): EP 581101 A1 940202 (Basic)  
EP 581101 B1 990203

APPLICATION (CC, No, Date): EP 93111135 930712;

PRIORITY (CC, No, Date): US 921536 920729

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-007/14

CITED PATENTS (EP A): US 4682225 A; US 4541008 A; EP 119588 A; US 4494144 A

CITED REFERENCES (EP A):

TELECOMMUNICATIONS vol. 25, no. 6, June 1991, USA pages 37 - 46 M.

GRIMSHAW 'LAN INTERCONNECTIONS TECHNOLOGY'

IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS ICC '90 vol. 1, 3

September 1990, GEORGIA, ATLANTA pages 134 - 139 , XP147391 CH. WEISS

'DESK TOP VIDEO CONFERENCING AN IMPORTANT FEATURE OF FUTURE VISUAL  
COMMUNICATIONS';

ABSTRACT EP 581101 A1

A communications processor serves a group of several workstations with  
audio and video transmission processing for the purpose of providing  
video conferencing.

The communication processor utilizes artificial intelligence software  
to read the connection. Conversion rules contained in tables so that the  
system can react to the communications environment. The system is coupled  
for processing optical signals for low cost communication and video  
conferencing with audio and video communications within the facility area  
and for long haul transmission. The communication processor provides  
audio and video communications under instantaneous constraints of the  
transmission medium and instantaneous degree of loading or usage.  
Bandwidth, resolution and transmission rate are adjustable to fit the  
constraints at the time a request for service is made. A workstation  
initiates a request for service. A request for service includes data  
about the nature or type of service and signal destination. This  
information is sufficient for the communication processor to make several  
attempts to threads before an affirmative determination can be made. If  
an affirmative determination is not possible, then the communication  
processor will determine which is possible and provide an output to the  
user for possible changes in a request. (see image in original document)

ABSTRACT WORD COUNT: 199

LEGAL STATUS (Type, Pub Date, Kind, Text):

Oppn None: 20000119 B1 No opposition filed: 19991104

Application: 940202 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 940720 A1 Date of filing of request for examination:  
940519

Change: 940921 A1 Representative (change)

Examination: 960626 A1 Date of despatch of first examination report:  
960510

\*Assignee: 970205 A1 Applicant (transfer of rights) (change):

April 3, 2003

International Business Machines Corporation  
(200120) Old Orchard Road Armonk, N.Y. 10504  
(US) (applicant designated states: DE;FR;GB)

Grant: 990203 B1 Granted patent  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9905	870
CLAIMS B	(German)	9905	811
CLAIMS B	(French)	9905	1119
SPEC B	(English)	9905	13795
Total word count - document A			0
Total word count - document B			16595
Total word count - documents A + B			16595

INTERNATIONAL PATENT CLASS: H04N-007/14

...SPECIFICATION Each user has a personal computer, software and a smart modem, cassette player/recorder and **speaker phone** . They are **connected** as shown in figure 1. The smart modems listen for a banded signal, if present...

24/5,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00447215 \*\*Image available\*\*

IN-LINE CONTROL OF TELEPHONY DEVICE  
COMMANDE EN LIGNE DE DISPOSITIF TELEPHONIQUE

Patent Applicant/Assignee:

DIAMOND MULTIMEDIA SYSTEMS INC,

Inventor(s):

HUDSON Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9837679 A2 19980827

Application: WO 98US3545 19980224 (PCT/WO US9803545)

Priority Application: US 97805081 19970224

Designated States: CN JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE

Main International Patent Class: H04M-011/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3265

English Abstract

A system (100) to control and monitor telephony devices (140, 160) that do not digitally interface with a control device (110), such as a PC, is disclosed. The control device (110) communicates with the telephony device (140) typically via a standard telephone cable (154) using tones to convey status and control information.

French Abstract

L'invention concerne un systeme permettant de commander et de surveiller des dispositifs telephoniques ne faisant pas interface de facon numerique avec un dispositif de commande tel qu'un ordinateur personnel.

Generalement, le dispositif de commande communique avec le dispositif telephonique au moyen d'un cable telephonique de type classique faisant appel a des tonalites pour acheminer des informations d'etat et de commande.

Main International Patent Class: H04M-011/00

Fulltext Availability:

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## Detailed Description

### Detailed Description

... a "Central Office" or "CO", and located external to system 100.

Signal Path B 154 **couple**s modem 120 to **speakerphone** 140 with standard **telephone** cable via connectors 132 and 150. Speakerphone 140 includes user interface controls 141 (e.g...

...circuitry, while process control unit 142 may not.

Further, in one embodiment of the invention, **speakerphone** 140 is **connected** to **phone** 160 or other **telephony** device. In the embodiment shown in Fig. 1, phone 160 includes user interface controls 162...

...to tone generator 164, which is further coupled to connector 166, an RJ-11 connector. **Speakerphone** 140 is **coupled** to **phone** 160 via

24/5,K/3 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00146081

### REMOTE TRANSACTION SYSTEM

### SYSTEME DE TRANSACTION A DISTANCE

Patent Applicant/Assignee:

WALKER Mark E,

Inventor(s):

WALKER Mark E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8802967 A1 19880421

Application: WO 87US2632 19871014 (PCT/WO US8702632)

Priority Application: US 86280 19861017

Designated States: AT AT AU BB BE BG BJ BR CF CG CH CH CM DE DE DK FI FR GA  
GB GB HU IT JP KP KR LK LU LU MC MG ML MR MW NL NL NO RO SD SE SE SN SU  
TD TG

Main International Patent Class: **H04M-011/00**

International Patent Class: G07F-07:00; H04N-07:14

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6302

### English Abstract

A remote transaction system which may be used to conduct business transactions wherein visual contact between a buyer and a seller is desired or required. A transaction booth (11) is located remotely from an operations center (10), the booth and the center being connected by audio and video communication lines (12-13). The booth (11) includes audio and video equipment for transmitting and receiving audio and video signals between the booth and the center. Decoders (20-24) are provided in the booth to receive telephone touch tones or pulses from the operations center and to control the audio and video equipment and other equipment in the booth. Alternatively, a programmable device, such as a controller or microcomputer, generates control signals for controlling the equipment. A dispenser unit is controllable from the operations center utilizing a decoder (24) to selectively dispense items or objects to a customer. A payment module (21) facilitates payment for items or services



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by cash, credit card, or other appropriate means. The various equipment included in the booth is assembled onto modules which can be simply and easily installed in the booth and interconnected using a wiring harness, facilitating the assembly and maintenance of the system.

#### French Abstract

Le systeme de transaction a distance decrit permet d'effectuer des transactions commerciales dans lesquelles un contact visuel entre un acheteur et un vendeur est souhaite ou requis. Une cabine de transaction (11) est placee a distance d'un centre d'operations (10), la cabine et le centre etant relies par des lignes de communication audio et video (12-13). La cabine (11) comprend un equipement audio et video pour transmettre et recevoir des signaux audio et video entre la cabine et le centre. Des decodeurs (20-24) sont installes dans la cabine pour recevoir des tonalites ou impulsions telephoniques du centre d'operations et pour commander l'equipement audio et video et autre equipement se trouvant dans la cabine. Dans une variante, un dispositif programmable tel qu'un controleur ou micro-ordinateur produit des signaux de commande pour commander l'equipement. Une unite de distribution peut etre commandee depuis le centre d'operations en utilisant un decodeur (24) pour distribuer selectivement des articles ou objets vers un client. Un module de paiement (21) facilite le paiement des articles ou services en payant en argent comptant, par carte de credit ou autres moyens appropries. Les differents equipements montes dans la cabine sont assembles en modules qui peuvent etre installes aisement dans la cabine et relies entre eux en utilisant un harnais de cablage pour faciliter l'assemblage et l'entretien du systeme.

Main International Patent Class: H04M-011/00

Fulltext Availability:

Detailed Description

#### Detailed Description

... Once the control relay 32 is actuated, it will latch on through contact 33.

The telephone includes a handset 17 and speaker phone 34 and is connected to an external communication line 12 to provide audio communication between the remote booth 11 and the operations center...

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27/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00361861

Hands-free telephone.

Frei-Hand-Telefon.

Telephone mains libres.

PATENT ASSIGNEE:

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INVENTOR:

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LEGAL REPRESENTATIVE:

Orchard, Oliver John (34501), JOHN ORCHARD & CO. Staple Inn Buildings  
North High Holborn, London WC1V 7PZ, (GB)

PATENT (CC, No, Kind, Date): EP 330384 A2 890830 (Basic)  
EP 330384 A3 900613  
EP 330384 B1 931103

APPLICATION (CC, No, Date): EP 89301554 890217;

PRIORITY (CC, No, Date): JP 8833902 880218; JP 88252046 881007

DESIGNATED STATES: DE; GB; NL

INTERNATIONAL PATENT CLASS: H04M-009/10; H04M-001/72;

CITED PATENTS (EP A): US 4513177 A; US 4513177 A; US 4400584 A; EP 193972 A  
; US 3448217 A

CITED REFERENCES (EP A):

PATENT ABSTRACTS OF JAPAN, vol. 7, no. 174 (E-190) 1319 , 2nd August  
1983; & JP-A-58 080 937 (MATSUSHITA DENKI SANGYO K.K.)  
PATENT ABSTRACTS OF JAPAN, vol. 8, no. 88 (E-240) 1525 , 21st April 1984;  
& JP-A-59 006 655 (TOUA TOKUSHIYU DENKI K.K.)  
PATENT ABSTRACTS OF JAPAN, vol. 6, no. 170 (E-128) 1048 , 3rd September  
1982; & JP-A-57 087 656 (NIPPON DENSHIN DENWA KOSHA);

ABSTRACT EP 330384 A2

In order to perform voice-switched telephoning, a hands-free telephone includes a speaker, a microphone, a receive variable attenuator (R-ATT), a transmit variable attenuator (T-ATT), a receive signal detector, a transmit signal detector and an attenuation control circuit. The telephone also includes an auxiliary control circuit which prevents the output of the transmit signal detector from reaching the attenuation control circuit during a transient period between a call origination and the beginning of conversation. During the transient period, only the speaker is enabled to output a ringback tone therethrough. When the output level of the transmit signal detector exceeds a predetermined level, the auxiliary control circuit passes the output of the transmit signal detector to the attenuation control circuit to start the voice-switched telephoning. Once the auxiliary control circuit passes the output of the transmit signal detector, it holds this state until the conversation finishes.

ABSTRACT WORD COUNT: 148

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890830 A2 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 890830 A2 Date of filing of request for examination:  
890314  
Change: 900606 A2 International patent classification (change)  
Change: 900606 A2 Obligatory supplementary classification  
(change)  
Search Report: 900613 A3 Separate publication of the European or  
International search report  
Examination: 920819 A2 Date of despatch of first examination report:  
920702  
Grant: 931103 B1 Granted patent

April 3, 2003

Lapse: 940810 B1 Date of lapse of the European patent in a  
Contracting State: DE 931103  
Lapse: 940928 B1 Date of lapse of the European patent in a  
Contracting State: DE 931103, NL 931103  
Oppn None: 941026 B1 No opposition filed  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1784
CLAIMS B	(German)	EPBBF1	1598
CLAIMS B	(French)	EPBBF1	2127
SPEC B	(English)	EPBBF1	3067
Total word count - document A			0
Total word count - document B			8576
Total word count - documents A + B			8576

...SPECIFICATION unbalance increases coupling between a transmit signal and a receive signal. The increasing of the **coupling** induces the **singing** at the speakerphone.

In the **mobile telephone** system, a **mobile** base station to be **connected** to a **mobile** subscriber station is almost always changed when a call is placed from the mobile subscriber...

27/5,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00298983

Radio arrangement having two radios sharing circuitry.

Funkanordnung mit zwei Funkgeräten und geteilter Einrichtung.

Dispositif radio avec deux postes radio se partageant un circuit.

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196,  
(US), (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Metroka, Michael P., 730 Oakview Drive, Algonquin Illinois 60102, (US)

LEGAL REPRESENTATIVE:

Ibbotson, Harold et al (45963), MOTOROLA European Intellectual Property  
Operations Jays Close Viables Ind. Estate, Basingstoke Hants RG22 4PD,  
(GB)

PATENT (CC, No, Kind, Date): EP 310876 A2 890412 (Basic)  
EP 310876 A3 900530  
EP 310876 B1 930804

APPLICATION (CC, No, Date): EP 88115574 880922;

PRIORITY (CC, No, Date): US 107227 871009

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: H04Q-007/04; H04M-001/72;

CITED PATENTS (EP A): US 4680787 A; US 4680787 A; US 4677653 A; US 4390963  
A; US 4525865 A; US 4625274 A

ABSTRACT EP 310876 A2

A radio arrangement and method allows a portable (210) and a mobile (212) to uniquely communicate on a radio system having at least one remote system site (114). The portable (210) has at least one information set (such as the radio's identification information and repertory dialing information) (356 or 360), and the mobile (212) is intercoupled therewith via a connector (214). The connector is used for transferring a code, which designates the information set, from the portable (210) to the mobile (212), whereby the mobile (212) adopts the information set of the portable (210) for subsequent communication. The arrangement offers an user having a portable, with its limited features and functions, to utilize all of the capabilities of the mobile.

ABSTRACT WORD COUNT: 124

April 3, 2003

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890412 A2 Published application (A1with Search Report  
;A2without Search Report)  
Search Report: 900530 A3 Separate publication of the European or  
International search report  
Examination: 910109 A2 Date of filing of request for examination:  
901115  
Examination: 920401 A2 Date of despatch of first examination report:  
920213  
Grant: 930804 B1 Granted patent  
Oppn None: 940727 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1319
CLAIMS B	(German)	EPBBF1	1255
CLAIMS B	(French)	EPBBF1	1575
SPEC B	(English)	EPBBF1	4562
Total word count - document A			0
Total word count - document B			8711
Total word count - documents A + B			8711

...SPECIFICATION have failed to emulate some of the more important mobile characteristics including power output rating, **speaker phone**, diversity and speech **recognition** /synthesis capabilities.

Previously, a **portable could be coupled** to a **mobile** mounted apparatus which would provide a large source of primary power, an improved antenna location...the portable 210 to utilize circuitry features which are inherent to the mobile 212 such as transceiver characteristics (eg., transmitter power, receiver sensitivity, antenna characteristics, and, when available, **speaker phone functions**, diversity, and speech synthesis and voice **recognition** capabilities).

Fig. 3 illustrates details of the **connector** 214, the portable 210 and the mobile 212. The connector includes only eight electrical connections ...the u-C 336. The transceiver 366 is disabled in response to the u-C 336 detecting the availability and selection of the more powerful mobile transceiver 338. The **detection** is accomplished by the u-c 336 monitoring the 9.5V **connection** 324 through a line conditioner circuit 374. The line conditioner 374 may be implemented using...Although the V/SP 380 is shown communicating with the u-C via an independent **connection**, the data transfer bus (318, 320 and 322) may alternatively be employed.

The **mobile**'s voice- **speaker phone** operation is utilized by entering a special key code into the portable's keypad 350...

27/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00278221

METHOD AND APPARATUS FOR SYNTHESIZING SPEECH WITHOUT VOICING OR PITCH INFORMATION.

VERFAHREN UND VORRICHTUNG ZUR SPRACHSYNTHESE OHNE INFORMATIONEN UBER DIE STIMME ODER HINSICHTLICH STIMMHÖHE.

METHODE ET APPAREIL POUR SYNTHETISER LA PAROLE SANS INFORMATIONS VOCALES OU RELATIVES A LA HAUTEUR DU SON.

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196, (US), (applicant designated states: DE;FR;GB;IT;NL;SE)

INVENTOR:

BORTH, David, Edward, 825 South Harvard Drive, Palatine, IL 60067, (US)  
GERSON, Ira, Alan, 1120 Nottingham Lane, Hoffman Estates, IL 60195, (US)  
VILMUR, Richard, Joseph, 45 South Kerwood Street, Palatine, IL 60067,

April 3, 2003

(US)

LINDSLEY, Brett, Louis, 1170 Sterling Avenue Apartment 116, Palatine, IL 60067, (US)

LEGAL REPRESENTATIVE:

Hudson, Peter David (52401), Motorola Ltd. Patent and Licensing Operations - Europe Jays Close Viabes Industrial Estate, Basingstoke Hampshire RG22 4PD, (GB)

Ibbotson, Harold (45961), Motorola Ltd Patent and Licensing Operations - Europe Jays Close Viabes Industrial Estate, Basingstoke Hampshire RG22 4PD, (GB)

PATENT (CC, No, Kind, Date): EP 255524 A1 880210 (Basic)  
EP 255524 A1 880810  
EP 255524 B1 930721  
WO 8704293 870716

APPLICATION (CC, No, Date): EP 87900607 861222; WO 86US2815 861222

PRIORITY (CC, No, Date): US 816034 860103

DESIGNATED STATES: DE; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: G10L-005/00;

CITED PATENTS (EP A): US 2151091 A; US 3197560 A; GB 969049 A; US 4170719 A

CITED PATENTS (WO A): US 4086431 A; US 3360610 A; US 3903366 A

CITED REFERENCES (EP A):

ICASSP'79, 1979 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH & SIGNAL PROCESSING, 2nd-4th April 1979, Washington, D.C., pages 899-902, IEEE, New York, US; A. LEVINE et al.: "The MISS speech synthesis system"

See also references of WO8704293;

CITED REFERENCES (WO A):

FLANAGAN, J.L., Speech Analysis, Synthesis and Perception, Second Edition, published 1972, by Springer-Verlag, (New York), See pages 340-341 especially Fig. 8.9.;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880210 A1 Published application (A1with Search Report ;A2without Search Report)  
Examination: 880210 A1 Date of filing of request for examination: 870813  
Search Report: 880810 A1 Drawing up of a supplementary European search report: 880623  
Examination: 910529 A1 Date of despatch of first examination report: 910416  
Grant: 930721 B1 Granted patent  
Oppn None: 940713 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	609
CLAIMS B	(German)	EPBBF1	597
CLAIMS B	(French)	EPBBF1	733
SPEC B	(English)	EPBBF1	19970
Total word count - document A			0
Total word count - document B			21909
Total word count - documents A + B			21909

...SPECIFICATION representative radiotelephone circuitry, refer to Motorola Instruction Manual 68P81066E40 entitled "DYNA T.A.C. Cellular Mobile Telephone ."

Speakerphone 360, also termed a VSP (vehicular speakerphone) in the present application, provides hands-free acoustic coupling of: the user-spoken audio to the control system and to the radio telephone transmitter...

April 3, 2003

(c) 2003 European Patent Office. All rts. reserv.

00278218

METHOD AND APPARATUS FOR SYNTHESIZING SPEECH FROM SPEECH RECOGNITION TEMPLATES.

VERFAHREN UND VORRICHTUNG ZUR SPRACHSYNTHESE AUS SPRACHERKENNUNGSMODELLEN.  
PROCEDE ET APPAREIL POUR SYNTHETISER LA PAROLE A PARTIR DE MODELES DE RECONNAISSANCE DE LA PAROLE.

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196, (US), (applicant designated states: DE;FR;GB;IT;NL;SE)

INVENTOR:

BORTH, David, Edward, 825 South Harvard Drive, Palatine, IL 60067, (US)  
GERSON, Ira, Alan, 1120 Nottingham Lane, Hoffman Estates, IL 60196, (US)  
LINDSLEY, Brett, Louis, 1170 Sterling Avenue Apartment 116, Palatine, IL 60067, (US)

LEGAL REPRESENTATIVE:

Hudson, Peter David et al (52401), Motorola Ltd. Patent and Licensing Operations - Europe Jays Close Viabes Industrial Estate, Basingstoke Hampshire RG22 4PD, (GB)

PATENT (CC, No, Kind, Date): EP 255523 A1 880210 (Basic)  
EP 255523 A1 880810  
EP 255523 B1 940803  
WO 8704292 870716

APPLICATION (CC, No, Date): EP 87900604 861222; WO 86US2810 861222

PRIORITY (CC, No, Date): US 816162 860103

DESIGNATED STATES: DE; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: G10L-005/00;

CITED PATENTS (EP A): US 4426733 A; EP 77558 A

CITED PATENTS (WO A): EP 41195 A; US 4277644 A; US 4462080 A

CITED REFERENCES (EP A):

ICASSP'83, PROCEEDINGS, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 14th-16th April 1983, Boston, Massachusetts, vol. 3, pages 1328-1331, IEEE, New York, US; G. CHOLLET et al.: "On the generation and use of a segment dictionary for speech coding, synthesis and recognition"

THE BELL SYSTEM TECHNICAL JOURNAL, vol. 59, no. 7, September 1980, pages 1153-1163, American Telephone and Telegraph Co., US; L.R. RABINER et al.: "A voice-controlled, repertory-dialer system"

ICASSP'82, PROCEEDINGS, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 3rd-5th May 1982, Paris, vol. 2, pages 1262-1265, IEEE, New York, US; R.W. BROWN: "Segmentation for data reduction in isolated word recognition"

See also references of WO8704292;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880210 A1 Published application (A1with Search Report ;A2without Search Report)  
Examination: 880210 A1 Date of filing of request for examination: 870813  
Change: 880316 A1 Title of invention (German) (change)  
Search Report: 880810 A1 Drawing up of a supplementary European search report: 880623  
Examination: 901017 A1 Date of despatch of first examination report: 900904  
Grant: 940803 B1 Granted patent  
Lapse: 950412 B1 Date of lapse of the European patent in a Contracting State: DE 941104  
Lapse: 950412 B1 Date of lapse of the European patent in a Contracting State: DE 941104, NL 940803  
Lapse: 950712 B1 Date of lapse of the European patent in a Contracting State: DE 941104, FR 941230, NL 940803  
Lapse: 950719 B1 Date of lapse of the European patent in a

April 3, 2003

Contracting State: DE 941104, FR 941230, NL  
940803, SE 941103  
Oppn None: 950726 B1 No opposition filed  
Lapse: 991020 B1 Date of lapse of European Patent in a  
contracting state (Country, date): DE  
19941104, FR 19941230, IT 19940803, NL  
19940803, SE 19941103,

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	928
CLAIMS B	(German)	EPBBF1	814
CLAIMS B	(French)	EPBBF1	1220
SPEC B	(English)	EPBBF1	19779
Total word count - document A			0
Total word count - document B			22741
Total word count - documents A + B			22741

...SPECIFICATION representative radiotelephone circuitry, refer to Motorola  
Instruction Manual 68P81066E40 entitled "DYNA T.A.C. Cellular **Mobile**  
**Telephone** ."

**Speakerphone** 360, also termed a VSP (vehicular speakerphone) in the  
present application, provides hands-free acoustic **coupling** of: the  
user-spoken audio to the control system and to the radio telephone  
transmitter...

27/5,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00278204

OPTIMAL METHOD OF DATA REDUCTION IN A SPEECH RECOGNITION SYSTEM.  
OPTIMALES VERFAHREN FUR DATENERMASSIGUNG IN EINEM SPRACHERKENNUNGSSYSTEM.  
METHODE OPTIMALE DE REDUCTION DES DONNEES DANS UN SYSTEME DE RECONNAISSANCE  
DE LA PAROLE.

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196,  
(US), (applicant designated states: DE;FR;GB;IT;NL;SE)

INVENTOR:

GERSON, Ira, Alan, 1120 Nottingham Lane, Hoffman Estates, IL 60196, (US)  
LINDSLEY, Brett, Louis, 1170 Sterling Avenue Apartment 116, Palatine, IL  
60067, (US)

LEGAL REPRESENTATIVE:

Hudson, Peter David (52402), Motorola Patent and Licensing Operations -  
Europe Jays Close Viables Industrial Estate, Basingstoke Hampshire RG22  
4PD, (GB)

Ibbotson, Harold (45961), Motorola Ltd Patent and Licensing Operations -  
Europe Jays Close Viables Industrial Estate, Basingstoke Hampshire RG22  
4PD, (GB)

PATENT (CC, No, Kind, Date): EP 252946 A1 880120 (Basic)  
EP 252946 A1 880720  
EP 252946 B1 930721  
WO 8704290 870716

APPLICATION (CC, No, Date): EP 87900588 861218; WO 86US2779 861218

PRIORITY (CC, No, Date): US 816163 860103

DESIGNATED STATES: DE; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: G10L-005/00;

CITED PATENTS (WO A): US 4328395 A; US 4520499 A; US 4181821 A; US 4590605  
A; US 4550425 A; US 3213268 A

CITED REFERENCES (EP A):

ICASSP 82, PROCEEDINGS OF IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS,  
SPEECH AND SIGNAL PROCESSING, 3rd-5th May 1982, Paris, vol. 2, pages  
1262-1265, IEEE, New York, US; R.W. BROWN: "Segmentation for data  
reduction in isolated word recognition"

April 3, 2003

See also references of WO8704290;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880120 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 880120 A1 Date of filing of request for examination:  
870813

Search Report: 880720 A1 Drawing up of a supplementary European search  
report: 880531

Examination: 910508 A1 Date of despatch of first examination report:  
910326

Grant: 930721 B1 Granted patent

Oppn None: 940713 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	728
CLAIMS B	(German)	EPBBF1	784
CLAIMS B	(French)	EPBBF1	865
SPEC B	(English)	EPBBF1	19879
Total word count - document A			0
Total word count - document B			22256
Total word count - documents A + B			22256

...SPECIFICATION representative radiotelephone circuitry, refer to Motorola  
Instruction Manual 68P81066E40 entitled "DYNA T.A.C. Cellular **Mobile**  
**Telephone** ."

**Speakerphone** 360, also termed a VSP (vehicular speakerphone) in the  
present application, provides hands-free acoustic **coupling** of: the  
user-spoken audio to the control system and to the radio telephone  
transmitter...

27/5,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00251339

WORD RECOGNITION IN A SPEECH RECOGNITION SYSTEM USING DATA REDUCED WORD  
TEMPLATES.

WORTERKENNUNG IN EINEM SPRACHERKENNUNGSSYSTEM UNTER VERWENDUNG  
DATENERMASSIGTER WORTMUSTER.

RECONNAISSANCE DE MOTS DANS UN SYSTEME DE RECONNAISSANCE DE LA PAROLE  
UTILISANT DES MODELES DE MOTS AVEC REDUCTION DES DONNEES.

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196,  
(US), (applicant designated states: DE;FR;GB;IT;NL;SE)

INVENTOR:

GERSON, Ira, Alan, 1120 Nottingham Lane, Hoffman Estates, IL 60195, (US)

LINDSLEY, Brett, Louis, 1170 Sterling Avenue Apartment 116, Palatine, IL  
60067, (US)

SMANSKI, Philip, Jerome, 1734 Emerald Lane, Palatine, IL 60074, (US)

LEGAL REPRESENTATIVE:

Hudson, Peter David (52402), Motorola Patent and Licensing Operations -  
Europe Jays Close Viabes Industrial Estate, Basingstoke Hampshire RG22  
4PD, (GB)

Ibbotson, Harold (45961), Motorola Ltd Patent and Licensing Operations -  
Europe Jays Close Viabes Industrial Estate, Basingstoke Hampshire RG22  
4PD, (GB)

PATENT (CC, No, Kind, Date): EP 249635 A1 871223 (Basic)

EP 249635 A1 881019

EP 249635 B1 930623

WO 8704291 870716

APPLICATION (CC, No, Date): EP 87900590 861218; WO 86US2780 861218



April 3, 2003

PRIORITY (CC, No, Date): US 816161 860103  
DESIGNATED STATES: DE; FR; GB; IT; NL; SE  
INTERNATIONAL PATENT CLASS: G10L-005/00;  
CITED PATENTS (WO A): US 4412098 A  
CITED REFERENCES (EP A):

ICASSP 82 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL  
PROCESSING, PARIS, 3rd-5th, May 1982, vol. 2, pages 1282-1285, IEEE,  
New York, US; R.W. BROWN: "Segmentation for data reduction in isolated  
word recognition"

ICASSP 86 IEEE-IECEJ-ASJ INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH,  
AND SIGNAL PROCESSING, TOKYO, 7th-11th April 1986, vol. 2, pages  
1105-1108, IEEE, New York, US; C. SCAGLIOLA et al.: "Two novel  
algorithms for variable frame analysis and word matching for connected  
word recognition"

See also references of WO8704291;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 871223 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 871223 A1 Date of filing of request for examination:  
870813  
Search Report: 881019 A1 Drawing up of a supplementary European search  
report: 880829  
Examination: 910116 A1 Date of despatch of first examination report:  
901203  
Grant: 930623 B1 Granted patent  
Oppn None: 940615 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	901
CLAIMS B	(German)	EPBBF1	1006
CLAIMS B	(French)	EPBBF1	1041
SPEC B	(English)	EPBBF1	19114

Total word count - document A 0

Total word count - document B 22062

Total word count - documents A + B 22062

...SPECIFICATION representative radiotelephone circuitry, refer to Motorola  
Instruction Manual 68P81066E40 entitled "DYNA T.A.C. Cellular **Mobile**  
**Telephone** ."

**Speakerphone** 360, also termed a VSP (vehicular speakerphone) in the  
present application, provides hands-free acoustic **coupling** of: the  
user-spoken audio to the control system and to the radio telephone  
transmitter...

27/5,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00194322

HANDS-FREE CONTROL SYSTEM FOR A RADIOTELEPHONE.

RADIOTELEPHON MIT FREISPRECHBETRIEB.

SYSTEME DE COMMANDE NON-MANUEL POUR RADIOTELEPHONES.

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196,  
(US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

BORTH, David, Edward, 825 S. Harvard Drive, Palatine, IL 60067, (US)

GERSON, Ira, Alan, 1120 Nottingham Lane, Hoffman Estates, IL 60195, (US)

VILMUR, Richard, Joseph, 45 S. Kerwood Street, Palatine, IL 60067, (US)

LEGAL REPRESENTATIVE:

Hudson, Peter David (52402), Motorola Patent and Licensing Operations -  
Europe Jays Close Viabes Industrial Estate, Basingstoke Hampshire RG22

April 3, 2003

4PD, (GB)

PATENT (CC, No, Kind, Date): EP 235127 A1 870909 (Basic)  
EP 235127 B1 890524  
WO 8701546 870312

APPLICATION (CC, No, Date): EP 85904543 850903; WO 85US1672

PRIORITY (CC, No, Date): EP 85904543 850903; WO 85US1672 850903

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: H04M-001/27

CITED PATENTS (WO A): US 4348550 A; GB 2114401 A; WO 8202306 A

CITED REFERENCES (EP A):

See also references of WO8701546;

CITED REFERENCES (WO A):

Nachrichtentechnische Zeitschrift N.T.Z., Volume 37, No. 8, August 1984,  
Berlin, (DE) M. IMMENDORFER et al.: "Sprachgesteuertes Telefon mit  
Elektronischem Telefonregisterspeicher", pages 496-499, see page 498,  
column 1, line 9 - column 2, line 10; figure 1

EDN, Volume 25, No. 19, October 1980, Boston, Massachusetts, (US) E.

TEJA: "Repertory Telephone Dialer Responds to Human Voice", pages  
57-59, see the whole document

Electrical Communication, Volume 59, No. 3, March 1985, Harlow, Essex,

(GB) M. IMMENDORFER: "Voice Dialer", pages 281-285, see page 282,  
column 2, line 18 - page 285, column 1, line 25

IEEE International Conference on Acoustics Speech and Signal Processing,  
Volume 2, 3-8 May 1982, London (GB) J. PECKHAM et al.: "Real time  
Hardware Continuous Speech Recognition System", pages 863-866, see page  
864, column 1, line 1 - page 866, column 1, line 35 (cited in the  
application)

IEE Proceedings, Volume 127, part F, No. 1, February 1980 J.N. HOLMES et  
al.: "The JSRU Channel Vocoder", pages 53-60, see page 53, column 2,  
line 38 - page 57, column 1, line 25 (cited in the application);

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 870909 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 870909 A1 Date of filing of request for examination:  
870430

Change: 871014 A1 Representative (change)

Examination: 871216 A1 Date of despatch of first examination report:  
871030

Grant: 890524 B1 Granted patent

Oppn: 900418 B1 Opposition 01/900223 Philips Patentverwaltung  
GmbH; WendenstraBe 35 Postfach 105149; D- 2000  
Hamburg 1; (DE)  
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Contracting State: CH 890524, LI 890524

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CLAIMS B	(English)	EPBBF1	730
CLAIMS B	(German)	EPBBF1	643
CLAIMS B	(French)	EPBBF1	950
SPEC B	(English)	EPBBF1	4941
Total word count - document A			0
Total word count - document B			7264
Total word count - documents A + B			7264

...SPECIFICATION radio transceiver circuitry, refer to Motorola Instruction

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Manual 68P81066E40 entitled "DYNA T.A.C. Cellular **Mobile Telephone .**"  
**Speakerphone** 460, also termed a VSP (vehicular speakerphone) in the present application, provides: hands-free acoustic **coupling** of the user-spoken audio to the control system; the synthesized speech reply signal to...

27/5,K/8 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00410501 \*\*Image available\*\*

**ECHO CANCELLER SYSTEM**

**SYSTEME ANNULEUR D'ECHO**

Patent Applicant/Assignee:

MCI COMMUNICATIONS CORP,

Inventor(s):

LITZENBERGER Paul D,

FEE John A,

BORN Robert W,

EASTEP Guido Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9800960 A1 19980108

Application: WO 97US11491 19970630 (PCT/WO US9711491)

Priority Application: US 9631082 19960628; US 97883141 19970627

Designated States: AU CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

Main International Patent Class: H04M-009/08

International Patent Class: H04B-03:23

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5855

**English Abstract**

A pool of echo cancellers (126) provides echo cancellation on PCM digital transmissions on an as needed basis. A dynamic port device (110) operating under the direction of call processing (134) identifies the transmissions requiring echo cancellation and routes the identified transmissions through echo cancellers. The echo cancellation can be performed on an as needed basis without having to dedicate an echo canceller to each DSO channel. The dynamic port device (110) can provide multiplexing up to SONET (114) carrier levels immediately following selective echo cancellation.

**French Abstract**

Un ensemble d'annuleurs d'echo (126) assure l'annulation de l'echo sur des transmissions numeriques MIC (modulation par impulsions et codage) lorsque cela s'avere necessaire. Un dispositif (110) a points de connexions dynamiques fonctionnant sous la direction d'un traitement (134) d'appel identifie les transmissions necessitant une annulation de l'echo et envoie les transmissions identifiees dans les annuleurs d'echo. L'annulation de l'echo peut etre effectuee selon les besoins sans qu'il soit necessaire de consacrer un annuleur d'echo a chaque canal DSO. Le dispositif (110) a points de connexion dynamiques assure le multiplexage jusqu'aux niveaux de porteuse du reseau optique synchrone (SONET) juste apres l'annulation selective de l'echo.

Fulltext Availability:

Detailed Description

**Detailed Description**

... of reflection and signal feedback that can give rise to undesirable echo transmissions. For example, **speaker phones** and "hands-free"

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mobile phones can acoustically couple or "feedback" a portion of the sound from the phone's loudspeaker into its microphone...

27/5,K/9 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00139432

METHOD AND APPARATUS FOR SYNTHESIZING SPEECH WITHOUT VOICING OR PITCH INFORMATION

METHODE ET APPAREIL POUR SYNTHETISER LA PAROLE SANS INFORMATIONS VOCALES OU RELATIVES A LA HAUTEUR DU SON

Patent Applicant/Assignee:

MOTOROLA INC,

Inventor(s):

BORTH David Edward,

GERSON Ira Alan,

VILMUR Richard Joseph,

LINDSLEY Brett Louis,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8704293 A1 19870716

Application: WO 86US2815 19861222 (PCT/WO US8602815)

Priority Application: US 8634 19860103

Designated States: DE DK FI FR GB IT JP KR NL SE

Main International Patent Class: G10L-005/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 19112

English Abstract

A channel bank speech synthesizer for reconstructing speech from externally-generated acoustic feature information without using externally-generated voicing or pitch information. An N-channel pitch-excited channel bank synthesizer (340) is provided having a first low-frequency group of channel gain values (1 to M) and a second high-frequency group of channel gain values (M+1 to N). The first group control a first group of amplitude modulators (950) excited by a periodic pitch pulse source (920), and the second group controls amplitude modulators excited by a noise source (930). Both groups of modulated excitation signals are applied to the bandpass filters (960) to reconstruct the speech channels, and then combined at the summation network (970) to form a reconstructed synthesized speech signal. Additionally, the pitch pulse source (920) varies the pitch pulse period such that the pitch pulse rate decreases over the length of the word.

French Abstract

Un synthetiseur de parole ayant une serie de canaux permet de reconstruire la parole a partir d'informations caracteristiques acoustiques generees de l'exterieur sans utiliser d'informations vocales ni relatives a la hauteur du son generees de l'exterieur. Un synthetiseur (340) ayant une serie de canaux excites par la hauteur des sons de N canaux possede un premier groupe de faible frequence de valeurs de gain de canaux (1 a M) et un second groupe de haute frequence de valeurs de gain de canaux (M + 1) a N). Le premier groupe commande un premier groupe de modulateurs d'amplitude (950) excites par une source d'impulsions de hauteur de son periodique, et le second groupe commande des modulateurs d'amplitude excites par une source de bruit (930). Les deux groupes de signaux d'excitation modules sont appliques a des filtres a bande passante (960) pour reconstruire les panneaux de parole, puis ils sont combines au niveau d'un reseau de sommation (970) pour former un signal de parole reconstruit et synthetise. De plus, la source d'impulsions de hauteur de son (920) fait varier la periode des impulsions de hauteur des

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sons de sorte que la cadence d'impulsion des hauteurs de son décroît sur la longueur du mot.

Fulltext Availability:  
Detailed Description

Detailed Description

... representative radiotelephone circuitry, refer to Motorola instruction Manual 68PS1066E40 entitled 11DYNA T.A.C. Cellular **Mobile Telephone** ."  
**Speakerphone** 360, also termed a VSP (vehicular speakerphone) in the present application, provides hands-free acoustic **coupling** of: the user-spoken audio to the control system and to the radio telephone transmitter...

27/5,K/10 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00139431 \*\*Image available\*\*  
**METHOD AND APPARATUS FOR SYNTHESIZING SPEECH FROM SPEECH RECOGNITION TEMPLATES**  
**PROCEDE ET APPAREIL POUR SYNTHETISER LA PAROLE A PARTIR DE MODELES DE RECONNAISSANCE DE LA PAROLE**  
Patent Applicant/Assignee:  
MOTOROLA INC,  
Inventor(s):  
BORTH David Edward,  
GERSON Ira Alan,  
LINDSLEY Brett Louis,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 8704292 A1 19870716  
Application: WO 86US2810 19861222 (PCT/WO US8602810)  
Priority Application: US 86162 19860103  
Designated States: DE DK FI FR GB IT JP KR NL SE  
Main International Patent Class: G10L-005/00  
Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 18578

English Abstract

A user-interactive control system for an electronic device which synthesizes speech from speech recognition templates to generate voice reply feedback to the user indicative of which template word was recognized. The acoustic features of the user-spoken speech are extracted by the acoustic processor (110) and applied to the training processor (170) to generate word recognition templates stored in the template memory (160). Recognition processor (120) compares the user-spoken features to the recognition templates to provide voice command data for the device controller (130) which controls the operating parameters of the electronic device (150). The device controller also produces device status data for the synthesis processor (140) which synthesizes a speech reply signal from the word recognition templates. In the preferred embodiment, a hands-free user-interactive control system for a mobile radiotelephone is provided utilizing speech synthesis from speech recognition templates.

French Abstract

Un systeme de commande interactif pour un dispositif electronique synthetise la parole a partir de modeles de reconnaissance de la parole pour generer une reaction de reponse vocale a l'utilisateur indiquant quel mot modele a ete reconnu. Les caracteristiques acoustiques de la

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parole de l'utilisateur sont extraites par le processeur acoustique (110) et appliquees au processeur de formation (170) pour produire des modeles de reconnaissance de mots stockes dans la memoire de modeles (160). Le processeur de reconnaissance (120) compare les caracteristiques vocales de l'utilisateur avec les modeles de reconnaissance pour fournir des donnees de commande vocale au controleur (130) qui commande les parametres de fonctionnement du dispositif electronique (150). Le controleur du dispositif produit egalement des donnees d'etat du dispositif pour le processeur de synthese (140) qui synthetise un signal de reponse vocale a partir des modeles de reconnaissance de mot. Dans le mode preferentiel de realisation, un systeme de commande interactif laissant les mains libres pour un radiotelephone mobile utilisant la synthese de la parole a partir de modeles de reconnaissance de la parole est decrit.

Fulltext Availability:  
Detailed Description

Detailed Description

... of representative radiotelephone circuitry,  
refer to Motorola Instruction Manual 68P81066E40 entitled  
11DYNA TeA.C. Cellular **Mobile Telephone** .11  
- 25

**speakerphone** 360, also termed a VSP (vehicular  
speakerphone) in the present application, provides  
hands@free acoustic **coupling** of: the user-spoken audio

27/5,K/11 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00139430

WORD RECOGNITION IN A SPEECH RECOGNITION SYSTEM USING DATA REDUCED WORD  
TEMPLATES

RECONNAISSANCE DE MOTS DANS UN SYSTEME DE RECONNAISSANCE DE LA PAROLE  
UTILISANT DES MODELES DE MOTS AVEC REDUCTION DES DONNEES

Patent Applicant/Assignee:  
MOTOROLA INC,

Inventor(s):  
GERSON Ira Alan,  
LINDSLEY Brett Louis,  
SMANSKI Philip Jerome,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8704291 A1 19870716

Application: WO 86US2780 19861218 (PCT/WO US8602780)

Priority Application: US 86161 19860103

Designated States: DE DK FI FR GB IT JP KR NL SE

Main International Patent Class: G10L-005/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17937

English Abstract

Arrangement and method for processing speech information in a speech recognition system. In such a system where the speech information is depicted as words, each word representing a sequence of frames and where the recognition system has means for comparing present input speech to a word template, the word template stored in template memory (160) and derived from one or more previous input word, the present invention is best employed. The invention describes combining (322) contiguous acoustically similar frames derived from the previous input word or words into representative frames to form a corresponding reduced word template,

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storing the reduced word template in template memory (160) in an efficient manner, and comparing (326) frames of the present input speech to the representative frames of the reduced word template according to the number of frames combined in the representative frames of the reduced word template. In doing so, a measure of similarity between the present input speech and the word template is generated.

French Abstract

Sont decrits un agencement et une methode de traitement d'informations vocales dans un systeme de reconnaissance de la parole. Dans un tel systeme ou les informations vocales sont decrites comme des mots, chaque mot representant une sequence de blocs, et ou le systeme de reconnaissance possede des moyens pour comparer les entrees vocales a un modele de mot, le modele de mot etant stocke dans une memoire de modele (160) et etant derive d'un ou de plusieurs mots d'entree anterieurs, la presente invention s'applique au mieux. L'invention decrit la combinaison (322) de blocs contigus acoustiquement semblables et derives du ou des mots d'entree anterieurs en blocs representatifs pour former un modele de mot correspondant reduit, le stockage du modele de mot reduit dans la memoire de modele (160) de maniere efficace, et la comparaison (326) des blocs de l'entree vocale actuelle avec les blocs representatifs du modele de mot reduit selon le nombre des blocs combines dans les blocs representatifs du modele de mot reduit. De cette maniere, on obtient une mesure de la similitude entre l'entree vocale et le modele de mot.

Fulltext Availability:

Detailed Description

Detailed Description

... representative radiotelephone circuitry, refer to Motorola tnstruction Manual 68PS1066E40 entitled 11DYNA T,A,C. Cellular **Mobile Telephone** , "**Speakerphone** 360, also termed a VSP (vehicular speakerphone) in the present application, provides hands-free acoustic **coupling** of: the user-spoken audio to the control system and to the radio telephone transmitter...

27/5,K/12 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00139429 \*\*Image available\*\*

OPTIMAL METHOD OF DATA REDUCTION IN A SPEECH RECOGNITION SYSTEM

METHODE OPTIMALE DE REDUCTION DES DONNEES DANS UN SYSTEME DE RECONNAISSANCE DE LA PAROLE

Patent Applicant/Assignee:

MOTOROLA INC,

Inventor(s):

GERSON Ira Alan,

LINDSLEY Brett Louis,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8704290 A1 19870716

Application: WO 86US2779 19861218. (PCT/WO US8602779)

Priority Application: US 86163 19860103

Designated States: DE DK FI FR GB IT JP KR NL SE

Main International Patent Class: G10L-005/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18481

English Abstract

A method and arrangement for reducing a sequence of initial frames into a reduced set of representative frames by combining the initial frames

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(510) into a plurality of representative frames (514), the combining process including generating a distortion measure (D1-D5) associated with each representative frame (514) and comparing each distortion measure to a distortion threshold. From these representative frames, a set of mutually exclusive frames is determined to minimize the number of representative frames, whereby each representative frame in the set represents a unique set of contiguous initial frames and has an associated distortion measure which does not exceed the distortion threshold.

French Abstract

Methode et agencement de reduction d'une sequence de blocs initiaux en un ensemble reduit de blocs representatifs en combinant les blocs initiaux (510) en une pluralite de blocs representatifs (514), le procede combinatoire consistant a generer une mesure de distorsion (D1-D5) associee a chaque bloc representatif (514) et a comparer chaque mesure de distorsion a un seuil de distorsion. A partir de ces blocs representatifs, un ensemble de blocs mutuellement exclusifs est determine pour reduire au minimum le nombre de blocs representatifs, de sorte que chaque bloc representatif dans l'ensemble represente un ensemble unique de blocs initiaux contigus et possede une mesure de distorsion associee qui ne depasse pas le seuil de distorsion.

Fulltext Availability:

Detailed Description

Detailed Description

... representative radiotelephone circuitry, refer to Motorola Instruction Manual 68PS1066E40 entitled 11DYNA T.A.C. Cellular **Mobile Telephone** ."  
**Speakerphone** 360, also termed a VSP (vehicular speakerphone) in the present application, provides hands@free acoustic **coupling** of: the user@spoken audio to the control system and to the radio telephone transmitter...

27/5,K/13 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00136688

**HANDS-FREE CONTROL SYSTEM FOR A RADIOTELEPHONE**

**SYSTEME DE COMMANDE NON-MANUEL POUR RADIOTELEPHONES**

Patent Applicant/Assignee:

MOTOROLA INC,  
BORTH David Edward,  
GERSON Ira Alan,  
VILMUR Richard Joseph,

Inventor(s):

BORTH David Edward,  
GERSON Ira Alan,  
VILMUR Richard Joseph,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8701546 A1 19870312

Application: WO 85US1672 19850903 (PCT/WO US8501672)

Priority Application: WO 85US1672 19850903

Designated States: AT AU BE BR CF CG CH CM DE DK FI FR GA GB HU IT JP KP LK

LU MC MG ML MR MW NL NO RO SE SN SU TD TG US

Main International Patent Class: H04M-001/27

International Patent Class: G10L-07:08

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6623



April 3, 2003

English Abstract

An improved hands-free user-interactive control and dialing system for use with a speech communications device. The control system (400) includes a dynamic noise suppressor (410), a speech recognizer (420) for implementing voice-control, a device controller (430) responsive to the speech recognizer for controlling operating parameters of the speech communications device (450) and for producing status information representing the operating status of the device, and a speech synthesizer (440) for providing reply information to the user as to the speech communications device operating status. In a mobile radiotelephone application, the spectral subtraction noise suppressor (414) is configured to improve the performance of the speech recognizer (424), the voice quality of the transmitted audio (417), and the audio switching operation of the vehicular speakerphone (460). The combination of noise processing, speech recognition, and speech synthesis provides a substantial improvement to prior art control systems.

French Abstract

Un systeme (400) de commande et d'appel interactif utilise avec un dispositif de communications vocales comprend un eliminateur dynamique de bruits (410), un dispositif de reconnaissance de la parole (420) pour effectuer la commande vocale, une commande (430) du dispositif sensible au dispositif de reconnaissance de la parole pour commander les parametres operationnels du dispositif de communications vocales (450) et pour produire des informations representant l'etat operationnel du dispositif, et un synthetiseur de parole (440) pour fournir des reponses a l'utilisateur concernant l'etat operationnel du dispositif de communication vocale. Dans une application en tant que radiotelephone mobile, l'eliminateur de bruit (414) par soustraction spectrale ameliore la performance du dispositif de reconnaissance de la parole (424), la qualite vocale du signal audio transmis (417) et l'operation de commutation audio de telephones a haut-parleur (460) utilises dans des vehicules. La combinaison de traitement des bruits, de reconnaissance et de synthese de la parole apporte des ameliorations considerables aux systemes de commande de l'art anterieur.

Fulltext Availability:

Detailed Description

Detailed Description

... radio transceiver circuitry, refer to Motorola Instruction Manual 68P81066E40 entitled "DYNA T.A.C. Cellular **Mobile Telephone** ."

**Speakerphone** 460, also termed a VSP (vehicular speakerphone) in the present application, provides.

hands@free acoustic **coupling** of the user@spoken audio to the control system; the synthesized speech reply signal to...

27/5,K/14 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00136398 \*\*Image available\*\*

**SPEAKERPHONE FOR RADIO AND LANDLINE TELEPHONES**

**HAUT-PARLEUR POUR TELEPHONES PAR RADIO ET PAR LIGNES TERRESTRES**

Patent Applicant/Assignee:

MOTOROLA INC,

Inventor(s):

HADDAD Kenneth Robert,

VILMUR Richard Joseph,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8701255 A1 19870226

Application: WO 86US1383 19860626 (PCT/WO US8601383)

Priority Application: US 85543 19850820

April 3, 2003

Designated States: AT CH DE FR GB IT JP KR NL SE  
Main International Patent Class: H04M-009/08  
Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 6329

#### English Abstract

Speakerphones for both radio and landline telephones. The prior art speakerphones are unable to accommodate high ambient noise environments and allow one party to break in relatively easily on the other party. The invention has: first and second variable gain amplifiers (202, 212) for amplifying signals incoming from the microphone and signals incoming to the loudspeaker, respectively, in response to a gain control signal; first and second detectors (205, 207), each having a noise level detector (242), and a gain adjuster (208), for varying the sensitivity of the detectors in response to a detector control signal; and control circuitry (230, 240) responsive to the detectors for generating the gain control signal and the detector control signal. The gains of the first and second amplifiers are varied in opposite directions and the sensitivities of the first and second detectors are varied in opposite directions, allowing for improved hands-free voice communication in high ambient noise environments.

#### French Abstract

Les haut-parleurs anterieurs ne peuvent s'adapter a des environnements bruyants et permettent a un des interlocuteurs d'interrompre relativement facilement l'autre interlocuteur. La presente invention comprend un premier et un second amplificateur a gain variable (202, 211) destines a amplifier les signaux provenant du microphone et les signaux destines aux haut-parleurs respectivement, en reponse a un signal de commande de gain. La presente invention comprend egalement un premier et second detecteur (205, 207) muni chacun d'un detecteur de niveau de bruit (242) et un dispositif de reglage du gain (208) destine a faire varier la sensibilite des detecteurs en reponse a un signal de commande des detecteurs. La presente invention comprend en outre des circuits de commande (230, 240) repondant aux detecteurs afin de produire le signal de commande du gain et le signal de commande des detecteurs. Les gains du premier et du second amplificateur et les sensibilites du premier et du second detecteur varient dans les directions opposees, permettant de meilleures communications verbales les mains libres, dans des environnements bruyants.

Fulltext Availability:  
Detailed Description

#### Detailed Description

... circuitry 106, is switchably coupled to mobile radio 112 by switch 110. Switch 110 selectively couples a transmit signal and a receive signal from mobile radio 112 to either speakerphone 120 or mobile telephone 108.  
In landline applications, the improved speakerphone 130 of the present invention can likewise be.